

Close Out Documents

AP-49 – 2331 E 46th Ave.

Structural Demolition

Prepared for:

Kiewit Infrastructure Co.
Attn: Megan Wood
160 Inverness Drive West, Suite 110
Englewood CO 80112

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1. Closeout Letter

February 4, 2019

Kiewit Infrastructure Co.
160 Inverness Drive West, Suite 110
Englewood, CO 80112

Re: SSCR AP-49 – 2331 E 46th Ave.

Dear Kiewit Infrastructure Co.

This letter is confirm that all the work associated with the demolition of the structure located at 2331 E 46th Ave. Denver, CO 80216, also referred as parcel AP-49, is complete.

The scope of work included the removal of Regulated Building Materials (RBMs), demolition of a 2,759 square foot structure, and the demolition of a 117 square foot shed. In addition, the parking lot concrete was removed in order to search for underground storage tanks; no tanks were found.

This document has been prepared to furnish you with key documents associated with this project for your records.

On behalf of the JKS Industries team, we would like to extend our appreciation to working with you on this project and look forward to working with you in the future.

Regards,



Jeffrey Knight,
President

2. CDPHE Demolition Permit

Colorado Department of Public Health and Environment
Air Pollution Control Division – Indoor Environment Program – Asbestos/IAQ Air Unit
4300 Cherry Creek Drive South, APCD-IE-B1
Denver, Colorado 80246-1530
Phone: 303-692-3100 – Fax: 303-782-0278
E-mail: asbestos@state.co.us

DEMOLITION APPROVAL NOTICE

This approval notice is granted subject to Colorado Air Quality Control Commission Regulation No. 8, Part B, adopted December 21, 2007, and effective January 30, 2008 and the Colorado Air Pollution Prevention and Control Act C.R.S. (25-7-101 and 25-7-501 et seq). This notice signifies that the structure was inspected for asbestos, luminous exit signs (containing radioactive material), and Ozone-Depleting Refrigerants and the demolition contractor has properly notified the Colorado Department of Public Health and Environment pursuant to Regulation No. 8, Part B.

As a contractor, you may be subject to other demolition licenses and permits, depending on the requirements of the county and municipality in which the work is being performed. The Colorado Department of Public Health and Environment, Air Pollution Control Division, strongly suggests that you check with county and municipal authorities in order to determine any other local building/permitting requirements that must be met.

Please note that certain asbestos-containing materials (ACM) may remain in the structure during demolition. Therefore, any demolition debris left behind after the completion of post-demolition site cleanup may constitute a "reason to know of asbestos-contaminated soil" at the site, subject to the requirements of Section 5.5 of the Solid Waste Regulations (6 CCR 1007-2, Part 1).

THE ORIGINAL APPROVAL NOTICE MUST BE POSTED ON SITE AT ALL TIMES.

Immediately notify the Asbestos/IAQ Unit of project modifications by fax (number above) or e-mail (address above) and the appropriate county health department by fax. Project modifications include changes in the scope of work or the scheduled work dates, etc.

This demolition approval notice is valid beginning 12/13/2018.

The actual scheduled work dates are from 12/13/2018 through 1/31/2019.

Approval issued on: 12/11/2018

Record number: 144136

Notice Number: 18DE8264D

For the location specified below:

AP-49 Convenience Store

2331 E. 46th Ave

Denver

Denver County

Fee Paid: \$65.00

Check number: 5686

Asbestos Building Inspector:

Logan Greenfield

Cerification No.: 20715

Inspection Date: 05/17/2018

This notice has been issued to:

JKS Industries, Inc.

747 Sheridan Blvd. Unit 9A

Lakewood, CO 80214

Issued by: SM





DEMOLITION NOTIFICATION APPLICATION FORM

APPLICATION FEE MUST ACCOMPANY THIS FORM
INCOMPLETE APPLICATIONS WILL BE RETURNED

(Notice will be mailed to the demolition contractor unless specified otherwise)

Fee: \$50 + \$5 per 1000 ft² of area to be demolished = \$ 65.00
(See instruction #1 on reverse side)

Submit form to:
Permit Coordinator
Colorado Dept. of Public
Health and Environment
APCD-IE-B1
4300 Cherry Creek Drive
South
Denver, CO 80246-1530
Phone: 303-692-3100
Fax: 303-782-0278
Asbestos@state.co.us

Colorado Department
of Public Health
and Environment

Demolition Contractor	Company Name: <p style="text-align: center;">JKS Industries</p>			Building Name: <p style="text-align: center;">AP-49 Convenience Store</p>		
	Street: <p style="text-align: center;">747 Sheridan Blvd. Unit 9A</p>			Square footage of footprint of facility or portion of facility to be demolished <p style="text-align: center;"><u>2759</u></p>		
	City: <p style="text-align: center;">Lakewood</p>		State: <p style="text-align: center;">CO</p>	Zip Code: <p style="text-align: center;">80214</p>		Street: <p style="text-align: center;">2331 E 46th Ave</p>
	Telephone # (303) 238-0207		Fax # (303) 238-0452		City: <p style="text-align: center;">Denver</p>	County: <p style="text-align: center;">Denver</p>
	Project Manager: <p style="text-align: center;">Jeff Knight</p>		Cell Phone # (720) 402-4410		Zip Code: <p style="text-align: center;">80216</p>	
	I certify that the Certified Asbestos Building Inspector has informed me about any remaining asbestos-containing materials in the facility to be demolished.			Proposed Start Date <p style="text-align: center;"><u>12/12/19</u></p>		
	Signature: 		Print Name: <p style="text-align: center;">Jeffrey Knight</p>		Proposed Completion Date <p style="text-align: center;">1/31/2019</p>	
Landfill Receiving Building Debris: <p style="text-align: center;">Denver Arapahoe Disposal Site ✓</p>						
Asbestos Removal Contractor	General Abatement Contractor (GAC) <p style="text-align: center;">NA</p>			Owner's Name: <p style="text-align: center;">CDOT</p>		
	CDPHE Asbestos Permit #			Street: <p style="text-align: center;">2000 S Holly Street</p>		
	Date Removal Completed		Telephone #		City: <p style="text-align: center;">Denver</p>	State: <p style="text-align: center;">CO</p>
	Type(s) of Asbestos-Containing Material Removed:			Zip Code: <p style="text-align: center;">80222</p>		Contact's Name: <p style="text-align: center;">Anthony Davito</p>
Method/Mean of Demolition: <input checked="" type="checkbox"/> Wrecking <input type="checkbox"/> Burning [†] <input type="checkbox"/> Implosion <input type="checkbox"/> Moving <input type="checkbox"/> Other, specify:						
[†] Burning requires additional authorization – Please call (303) 692-3100 and ask to speak to the Open Burning Permit Coordinator						
Certified Asbestos Inspector Certification	With my signature below, I certify that I possess current AHERA accreditation and state of Colorado certification as an Asbestos Building Inspector. I also certify that I have thoroughly inspected the facility to be demolished, as listed in the Demolition Site block above, sampled all suspect materials, had all samples analyzed for the presence of asbestos by a NVLAP-accredited laboratory, and have determined that no Regulated ACM exists anywhere in the facility.* I also certify that I have informed the owner/operator of the facility or the demolition contractor that any asbestos-containing material allowed to stay in the facility must remain non-friable during demolition. Specify type(s) of ACM remaining, below: (check appropriate box(es)) :					
	<input type="checkbox"/> Vinyl asbestos floor tile (VAT) <input type="checkbox"/> VAT mastic <input type="checkbox"/> Tar/asphalt impregnated roofing <input type="checkbox"/> Asphaltic pipe coatings <input type="checkbox"/> Spray-applied tar coatings <input type="checkbox"/> Caulking <input type="checkbox"/> Glazing <input type="checkbox"/> Other, specify:					
	Signature: (In Blue Ink) 			Printed Name: <p style="text-align: center;">Logan Greenfield</p>		
	Date of Final Inspection <p style="text-align: center;">Mar 17, 2018</p>	CO Cert # <p style="text-align: center;">20715</p>	Expiration Date <p style="text-align: center;">Oct. 18, 2019</p>	Telephone # <p style="text-align: center;">(719) 545-0375</p>	Cell Phone # <p style="text-align: center;">(719) 250-0036</p>	
Building Owner or Contractor	I verify that all refrigerants from air conditioning/refrigeration appliances have been properly recovered in accordance with AQCC Regulation No. 15 (for information on CFC requirements call 692-3100). I further verify that all luminous exit signs (containing radioactive material) have been disposed of in accordance with 6 CCR 1007-1 subpart 3.6.4.3 (for information on luminous exit sign requirements call 303-692-3320).					
	CHECK THE APPROPRIATE BOX:					
	<input type="checkbox"/> Building Owner		<input checked="" type="checkbox"/> Contractor		<input type="checkbox"/> Other	
Signature: 			Date: <p style="text-align: center;">11/29/19</p>			
Print Name: <p style="text-align: center;">JEFFREY KNIGHT</p>						
THIS BOX IS FOR CDPHE USE ONLY:						
Postmark or Hand Delivery Date: <p style="text-align: center;">11/29/19</p>		Approved By:		Code: <input checked="" type="checkbox"/> initial-310 <input type="checkbox"/> transfer-380		
Form of Payment & #: <p style="text-align: center;">check # 5696 / \$ 65</p>		Permit #: <p style="text-align: center;">18D05214</p>		Record #: <p style="text-align: center;">4413</p>		
Date Issued:						

* Regulated asbestos-containing materials means (a) friable asbestos-containing material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this regulation. Note: Asbestos-containing sheet vinyl and linoleum must be properly abated/removed prior to demolition.

NOV 29 2019
PCD
Stamp

Colorado Department of Public Health and Environment
Air Pollution Control Division – Indoor Environment Program – Asbestos/IAQ Air Unit
4300 Cherry Creek Drive South, APCD-IE-B1
Denver, Colorado 80246-1530
Phone: 303-692-3100 – Fax: 303-782-0278
E-mail: asbestos@state.co.us

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THE ORIGINAL APPROVAL NOTICE MUST BE POSTED ON SITE AT ALL TIMES.

Immediately notify the Asbestos/IAQ Unit of project modifications by fax (number above) or e-mail (address above) and the appropriate county health department by fax. Project modifications include changes in the scope of work or the scheduled work dates, etc.

This demolition approval notice is valid beginning 12/13/2018.

The actual scheduled work dates are from 12/13/2018 through 1/31/2019.

Approval issued on: 12/11/2018

Record number: 144137

Notice Number: 18DE8265D

For the location specified below:

AP-49 Detached garage

2331 E. 46th Ave

Denver

Denver County

Fee Paid: \$55.00

Check number: 5686

Asbestos Building Inspector:

Logan Greenfield

Cerification No.: 20715

Inspection Date: 05/17/2018

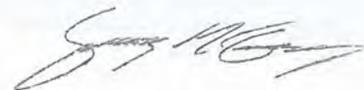
This notice has been issued to:

JKS Industries, Inc.

747 Sheridan Blvd. Unit 9A

Lakewood, CO 80214

Issued by: SM





Colorado Department
of Public Health
and Environment

DEMOLITION NOTIFICATION APPLICATION FORM

APPLICATION FEE MUST ACCOMPANY THIS FORM
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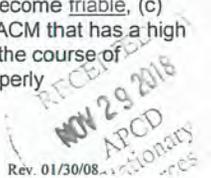
(Notice will be mailed to the demolition contractor unless specified otherwise)

Fee: \$50 + \$5 per 1000 ft² of area to be demolished = \$ 55.00
(See instruction #1 on reverse side)

Submit form to:
Permit Coordinator
Colorado Dept. of Public
Health and Environment
APCD-IE-B1
4300 Cherry Creek Drive
South
Denver, CO 80246-1530
Phone: 303-692-3100
Fax: 303-782-0278
Asbestos@state.co.us

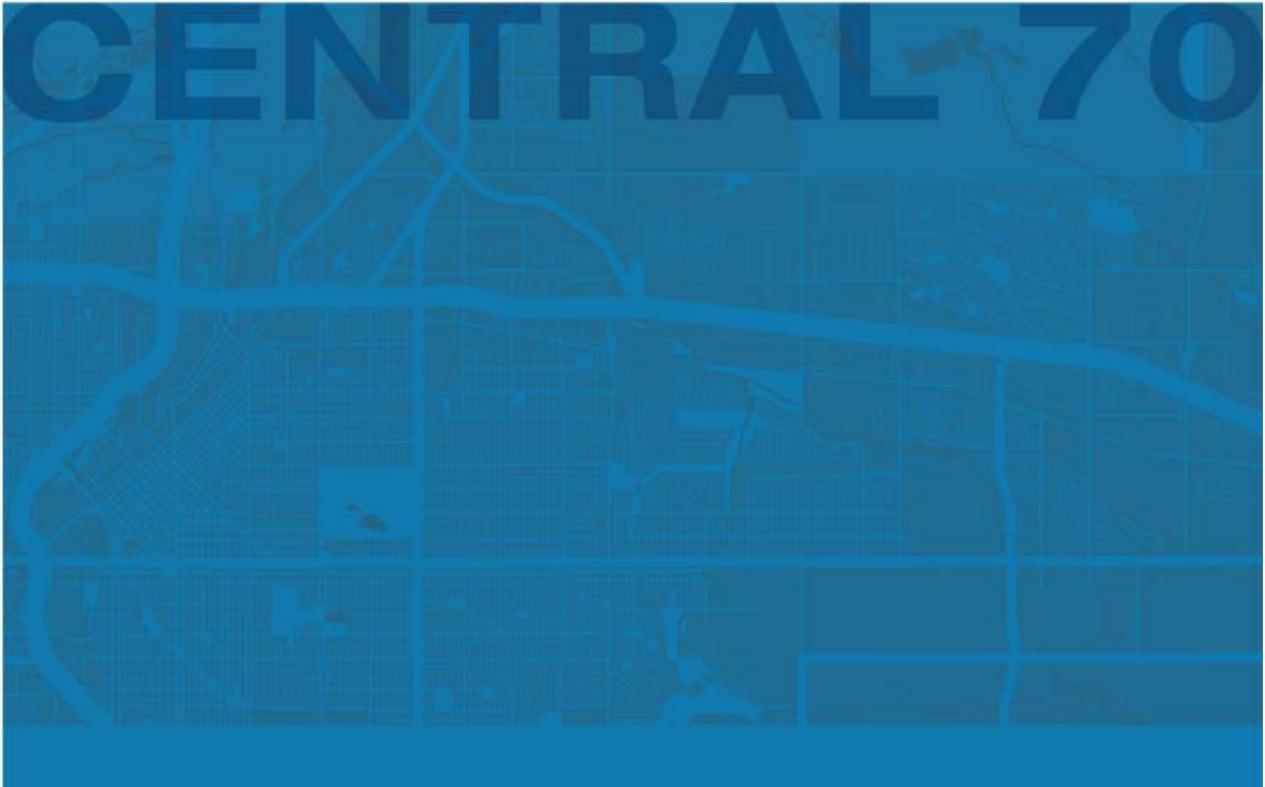
Demolition Contractor	Company Name: JKS Industries			Building Name: AP-49 Detached Shed		
	Street: 747 Sheridan Blvd. Unit 9A			Square footage of footprint of facility or portion of facility to be demolished 117		
	City: Lakewood	State: CO	Zip Code: 80214	Street: 2331 E 46th Ave		
	Telephone # (303) 238-0207	Fax # (303) 238-0452		City: Denver	County: Denver	Zip Code: 80216
	Project Manager: Jeff Knight		Cell Phone # (720) 402-4410	Proposed Start Date 2/13/19		Proposed Completion Date 1/31/2019
	I certify that the Certified Asbestos Building Inspector has informed me about any remaining asbestos-containing materials in the facility to be demolished.					
	Signature: 		Print Name: Jeffrey Knight			
Landfill Receiving Building Debris: Denver Arapahoe Disposal Site						
Asbestos Removal Contractor	General Abatement Contractor (GAC) NA			Owner's Name: CDOT		
	CDPHE Asbestos Permit #			Street: 2000 S Holly Street		
	Date Removal Completed	Telephone #		City: Denver	State: CO	Zip Code: 80222
	Type(s) of Asbestos-Containing Material Removed:					
Certified Asbestos Inspector Certification	With my signature below, I certify that I possess current AHERA accreditation and state of Colorado certification as an Asbestos Building Inspector. I also certify that I have thoroughly inspected the facility to be demolished, as listed in the Demolition Site block above, sampled all suspect materials, had all samples analyzed for the presence of asbestos by a NVLAP-accredited laboratory, and have determined that no Regulated ACM exists anywhere in the facility.* I also certify that I have informed the owner/operator of the facility or the demolition contractor that any asbestos-containing material allowed to stay in the facility must remain non-friable during demolition. Specify type(s) of ACM remaining, below: (check appropriate box(es)):					
	<input type="checkbox"/> Vinyl asbestos floor tile (VAT) <input type="checkbox"/> VAT mastic <input type="checkbox"/> Tar/asphalt impregnated roofing <input type="checkbox"/> Asphaltic pipe coatings <input type="checkbox"/> Spray-applied tar coatings <input type="checkbox"/> Caulking <input type="checkbox"/> Glazing <input type="checkbox"/> Other, specify:					
	Signature: (In Blue Ink) 			Printed Name: Logan Greenfield		
	Date of Final Inspection May 17, 2018	CO Cert # 2D715	Expiration Date Oct. 18, 2019	Telephone # (719) 545-0375	Cell Phone # (719) 250-0036	
Building Owner or Contractor	I verify that all refrigerants from air conditioning/refrigeration appliances have been properly recovered in accordance with AQCC Regulation No. 15 (for information on CFC requirements call 692-3100). I further verify that all luminous exit signs (containing radioactive material) have been disposed of in accordance with 6 CCR 1007-1 subpart 3.6.4.3 (for information on luminous exit sign requirements call 303-692-3320).					
	CHECK THE APPROPRIATE BOX:					
	<input type="checkbox"/> Building Owner	<input checked="" type="checkbox"/> Contractor	<input type="checkbox"/> Other	Date: 11/29/18		
Signature: 			Print Name: JEFFREY KNIGHT			
THIS BOX IS FOR CDPHE USE ONLY:						
Postmark or Hand Delivery Date: 11/29/18		Approved By: 		Code: <input checked="" type="checkbox"/> initial-310 <input type="checkbox"/> transfer-380		
Form of Payment & #: check # 5686 / \$ 55		Permit #: 18008215D		Record #: 144137 Date Issued:		

* Regulated asbestos-containing materials means (a) friable asbestos-containing material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this regulation. Note: Asbestos-containing sheet vinyl and linoleum must be properly abated/removed prior to demolition.



3. Project Design

3a. SSAR



June 26, 2018



Structure Survey Assessment Report AP-49

2331 E. 46th Ave.

Denver, CO 80216

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LIST OF REPORT ACRONYMS/ABBREVIATIONS

ACMs	Asbestos Containing Materials
AHERA	Asbestos Hazard Emergency Response Act
APEC	All-Phase Environmental Consultants
AMS	Air Monitoring Specialist
CABI	Colorado Asbestos Building Inspector
CDOT	Colorado Department of Transportation
CDPHE	Colorado Department of Public Health and Environment
CFCs	Chlorofluorocarbons
CFR	Code of Federal Regulations
EP	Environmental Professional
EPA	Environmental Protection Agency
FAA	Flame Atomic Absorption
LBP	Lead Based Paint
LCP	Lead Containing Paint
mg/L	Milligrams per Liter
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NLC	Non-Lead Containing
NVLAP	National Voluntary Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PCBs	Polychlorinated Biphenyls
PD	Project Designer
PEL	Permissible Exposure Limits
PLM	Polarized Light Microscopy
PPE	Personal Protective Equipment
ppm	Parts Per Million
RBM	Regulated Building Materials
RCRA	Resource Conservation and Recovery Act
RHMs	Recognized Hazardous Materials
SSAP	Structure Survey Assessment Plan
TC	Toxicity Characteristic
TCLP	Toxicity Characteristic Leaching Procedure
USEPA	U.S. Environmental Protection Agency
UWR	EPA Universal Waste Rule

LIST OF SAMPLING ACRONYMS/ABBREVIATIONS

BM	Brick/Mortar
CB	Cove Base
CC	Concrete
CER	Ceramic Block
CM	Ceramic Tile/Mortar
CMU	Concrete Masonry Unit/Mortar
CP	Carpet
CT	Ceiling Tile
D	Drywall (no surfacing)
DJ	Drywall/Joint Compound
F	Flooring
FT	Floor Tile
IN	Insulation
L	Linoleum
M	Mastic
MF	Multiple layered Flooring
MT	Mortar
PC	Popcorn Ceiling
PL	Plaster
PM	Panel/Mastic
R	Roofing
RF	Roof Flashing
S	Siding
ST	Stucco
T	Texture (no substrate)
TC	Textured Composite Board
TD	Textured Drywall
TSI	Thermal System Insulation
VB	Vapor Barrier
VP	Vent Paste (heating/cooling systems)
VW	Vent Wrap (heating/cooling systems)
WC	Window Caulk
WD	Wallpapered Drywall

Tables

Table 1-1	Project Details
Table 3-1	Non-Asbestos Containing Samples
Table 3-2	Summary of Paint Chip Laboratory Analysis for Lead
Table 3-3	Summary of Regulated Building Materials

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Appendix A	Asbestos, Lead Inspector and Laboratory Certifications
Appendix B	Positive Lead Sample Material Photographs
Appendix C	Laboratory Results & Chain of Custody – Asbestos
Appendix D	Laboratory Results & Chain of Custody – Lead & TCLP

APEC Project # 18-3066-016

Prepared for

Kiewit Meridiam Partners

Prepared by

Logan Greenfield
Logan Greenfield, CABI & AMS #20715
VP of Field Services

Reviewed by

Brandice Eslinger
Brandice Eslinger, EP, CABI & PD # 5494
President

1 Introduction

APEC was contracted to complete an environmental building survey for suspect ACMs, LBP, and RBM at 2331 E. 46th Ave., Denver, CO. This survey will identify the materials that will need to be abated or removed prior to the future demolition activities.

Table 1-1 Project Details

Client Name:	Kiewit Meridiam Partners
Site Location:	2331 E. 46 th Ave., Denver, CO 80216
Building Type	Commercial Building
Building Size	Building is approximately 2,400 square feet
Construction Date:	1941 – Based on the City and County of Denver Assessor Information
Building Uses:	Commercial – Convenience/Living Quarters
Types of Materials to be Disturbed/Description of Proposed Disturbances:	Client intends to demolish the structure. All building materials will be impacted.

This Structure Survey Assessment was conducted as part of the Central 70 Project located in Denver, Colorado. This assessment was conducted in accordance with the SSAP, dated March 27, 2018. The SSAP, as defined in Section 23132 of Schedule 17 (Environmental Requirements) of the final Central 70 Project Agreement between CDOT and Kiewit Meridiam Partners, identifies the procedures for completing building and structure surveys for ACMs, LBP and universal wastes or other RHMs, as defined by the RCRA; universal waste, as defined by the USEPA and 6 CCR Part 273 of the Colorado Hazardous Waste Regulations; CFCs, as defined by the Clean Air Act; and PCBs, as defined by the Toxic Substances Control Act.

2 Site Survey Methodology

2.1 ASBESTOS SURVEY

On May 17, 2018, APEC certified personnel Logan Greenfield conducted an asbestos survey for demolition at the aforementioned address. The asbestos survey (inspection/sampling) was completed in accordance with the SSAP and follows guidelines established under the EPA's AHERA program and as required by USEPA regulation 40 CFR Part 61, NESHAP. Bulk sampling of suspected ACMs were conducted in strict accordance with AHERA sampling procedures detailed in 40 CFR 763.86. These include but aren't limited to labeling each sample, recording on a chain-of-custody, taking a photo of the sample and recording the location on a site diagram. Demolition work could disturb materials that contain asbestos and put unprotected workers at risk, violating asbestos regulations, which are enforced by the OSHA, the EPA, the CDPHE, and the Denver County Health Department. All samples were collected and submitted to EMSL Analytical, Inc. in Denver, CO per APEC chain-of-custody protocol. The laboratory is a member of NVLAP and is qualified to perform the required analysis (Appendix A). The analysis conducted was the EPA Interim Method for the Determination of Asbestos in Bulk Samples, using standard PLM and dispersion staining as established in 40 CFR Part 763.

This inspection report and methodology complies with the CDPHE Asbestos Sampling and Report Requirements Memorandum dated February 28, 2018.

2.2 LEAD-BASED PAINT SURVEY

On May 17, 2018, APEC certified personnel Rick Ralston conducted the LBP survey. The survey was conducted to evaluate the absence and/or presence of LBP or LCP that will be impacted during future demolition activities. The survey consisted of reviewing and inspecting the interior, exterior, and roof system of the structure for suspect LBP or LCP. The testing method was the use of a heat gun and/or scraping a portion of the paint to the substrate (material under the paint). Proper Chain of Custody procedures were followed and samples were sent to EMSL Analytical, Inc. in Cinnaminson, NJ, via Fed Ex. The samples were analyzed by total lead (percent by weight) via FAA by EPA Method 7420. EMSL is accredited under the American Industrial Hygiene Association's Environmental Lead Proficiency Analytical Testing program. LBP, according to the EPA, is defined as paint that contains lead in concentrations greater than 1.0 milligrams per square centimeter (mg/cm^2) as measured with an XRF or 5000 ppm when measured by weight, or 0.5 percent by weight.

A total of 14 homogeneous paint color variations of suspect LBP areas were identified. One paint chip sample was collected from each suspect homogeneous area and submitted to the laboratory for analysis. Representative photographs of LBP and/or LCP were taken and are included in the photographic log (Appendix B). The paint chip sample locations were recorded and are included on the sample location drawing (Figure 3). Descriptions of the suspect homogeneous materials and a list of the collected samples are described in the 'Findings' section.

Based on the analytical results for the 14 samples, a TCLP sample was analyzed by collecting a representative sample (approximately 105 grams) of combined suspect building materials. The sample results are located in Appendix D.

2.3 SURVEY OF SUSPECTED RBMS

On May 17, 2018, APEC personnel conducted the RBM inventory consisting of inspecting the interior, exterior and roof system. The inspection was conducted to visually identify and quantify any building materials, devices and equipment suspected of containing potentially regulated materials as they pertain to the EPA UWR requirements (40 CFR, Part 273). APECs inventory review consisted of the following: potential mercury-containing thermostats/switches; fluorescent light tubes and compact fluorescent bulbs; items potentially containing PCBs (generally ballasts found within the fluorescent light fixtures); tritium powered exit signs; smoke detectors potentially containing Americium-241; and Freon-containing refrigeration systems. The survey of suspect RBMs are for use by contractors conducting the removal of items from the property. Samples of suspect RBMs are not required for this type of survey, as all determinations are made by visual means.

Although not a “regulated material”, items that are part of or attached to structures, such as gas meters, electrical meters, air conditioning systems and/or electrical panels are included with the RBM inventory, in order to aide the demolition contractor with their locations and ensure proper handling and disconnection of these items. Specifically, as required in order to obtain a demolition permit.

3 Findings

3.1 ASBESTOS SURVEY

A total of 96 bulk samples, plus 4 duplicate samples, were collected from 30 suspect homogenous materials throughout the structure, and the results of the PLM analysis are presented in Table 3-1. ***No ACM was detected during the asbestos survey.***

Point Counts

Point count analysis occurs for samples with <1% of asbestos. Point count analysis was not performed due to the initial PLM analysis all being negative. The laboratory analytical report is included as Appendix C.

Duplicate Samples

For quality assurance purposes, duplicate samples are taken approximately every 20th sample, per the EPA “pink book” that is used by Colorado Regulation 8 for sampling protocol. Duplicate samples are listed as a duplicate (Q) in the sample location column of Table 3-1. Four samples were collected because a total of 96 bulk samples were obtained.

- AP49-R6-L7Q
- AP49-R5-CT12Q
- AP49-R1-CM18Q
- AP49-EX-BM24Q

3.2 LEAD-BASED PAINT SURVEY

A total of 14 homogeneous paint color variations were analyzed for the presence of LBPs and LCPs (Table 3-2; Figure 3). Under EPA 40 CFR Part 745, LBP is defined as any paint or surface coating that contains lead equal to or exceeding 0.5% (by weight), while LCP is defined as any paint or surface coating containing lead greater than or equal to 0.06% up to 0.5% (by weight). Caution should be taken during demolition to minimize cutting, abrading, or otherwise causing an air disturbance to this material and work must be completed in accordance with the OSHA Lead in Construction Standard (29 CFR 1926.62).

One lead sample (AP49-H-L-13) was found to be greater than 0.06% by weight and less than 0.5% by weight and is considered LCP (Table 3-2). The remaining 13 samples were less than the LCP and LBP thresholds, and are considered NLC. The laboratory analytical report is included in Appendix D.

3.2.1 TCLP LEAD ANALYTICAL RESULTS

Since one sample analyzed is considered LCP, TCLP analysis of lead was performed. TCLP analysis simulates the potential for the demolished building materials to leach lead if placed in the landfill and results of the analysis determine if the materials will be considered hazardous waste. TCLP analysis was performed for landfill compliance and the TC maximum concentration is 5 milligrams per liter (mg/L). The results of the TCLP analysis is <0.40 mg/L, which is below the regulated limit and therefore not considered hazardous waste. The analytical report is included in Appendix D.

3.3 REGULATED BUILDING MATERIALS INVENTORY SURVEY

Several suspect RBMs were visually identified throughout the structure. RBMs that are a cause of concern, when discovered, are discussed in Section 4.3. A complete list of the RBMs is presented in Table 3-3, and selected locations of the RBMs are depicted in Figure 4.

4 Conclusions and Recommendations

4.1 ASBESTOS

No ACMs were identified throughout the structure; however, if additional suspect materials, not sampled during this investigation, are identified during demolition, they should either be assumed to be ACM or should be sampled prior to disturbance.

Prior to demolition activities, all friable and non-friable (that can or will be rendered friable) ACM that may be impacted during the demolition must be abated by a Colorado Certified Asbestos Abatement Contractor as required by NESHAP and the CDPHE – Air Pollution Control Division: Asbestos. The exception are Category I & II Non-Friable ACMs that can, with best management practices, remain during the activities and remain non-friable, i.e. not able to be reduced to a dust. Activities such as grinding, excessive munching of materials, sawing, jack-hammering, etc. are strictly prohibited.

According to AHERA, EPA, and the CDPHE, materials testing at less than or equal to 1% asbestos fibers are not considered to be an ACM. However, any materials containing asbestos still need to be regulated. OSHA protocol must be followed when handling materials containing ANY amount of asbestos. Proper PPE and engineering controls must be utilized if these materials will be impacted during demolition activities.

4.2 LEAD-BASED PAINT

Lead was detected at concentrations above the LCP threshold in 1 of the 14 samples. The remaining 13 samples are considered NLC. Although LCP was identified in the samples analyzed, the TC limit of 5 mg/L was not exceeded in the TCLP lead analysis. No lead abatement is required prior to demolition.

TCLP results confirmed that the waste stream is not hazardous with respect to lead content.

While the TCLP results indicate that the waste stream is not characteristically hazardous with respect to lead content, LCP and LBP are still present in the building materials. Therefore, the contractor responsible for demolition of this structure is notified with receipt of this report of the presence or potential presence of LCP and/or LBP in the building materials that comprise the building. The contractor should also notify their employees of the presence of LCP or LBP prior to any disturbance and make the US Department of Labor OSHA publication number 3142-12R 2004 available to their workers. (“Lead in Construction”, <http://www.osha.gov/Publications/osha3142.pdf>). The standards address topics such as PELs for workers, exposure assessment, protection of employees during assessment of exposure, employee notification, PPE, medical surveillance, along with other topics related to working with LCP and LBP.

4.3 REGULATED BUILDING MATERIALS

Materials found during the regulated materials inventory within the building may require special handling or disposal prior to demolition activities. If abatement is needed, APEC recommends that the asbestos contractor or general contractor selected by the client properly dispose of these regulated materials, per applicable regulations.

With regards to RBMs, if listed, it is likely that the ballasts in the fluorescent light fixtures do contain PCBs. Where a manufacturer's label is present indicating "no PCBs", the ballast can be disposed of with recyclable metal or with other municipal waste. During removal for disposal as part of the demolition activities, each ballast should be visually inspected for the manufacturer's label indicating "no PCBs". If the label does not have this notation, the ballast should be considered PCB-containing and should be disposed of as a hazardous waste in accordance with local, state, and federal regulatory guidelines. Refrigerators and air conditioning units contain freon, which will need to be reclaimed or taken to a facility capable of this activity. Mercury containing thermostats will need to be disposed of at a facility certified to take this type of material. The contractor should also carefully remove all associated fluorescent light tubes and compact fluorescent lights and recycle or dispose of these materials according to applicable regulations.

This inspection was primarily relevant to the Federal UWR requirements under 40 CFR 273. It should be noted that contractors submitting bids for removal of the RBMs should verify quantities, conditions, and locations of all RBMs prior to bid submittals and initiating demolition activities. The contractor is also responsible for proper recycling and/or disposal of the RBMs, and should follow all federal, state and local regulations when handling these materials.

5 Limitations

This Structure Survey Assessment Report was prepared by All-Phase Environmental Consultants, Inc., at the request of and for the sole benefit of Kiewit Meridiam Partners, or any entity controlling, controlled by, or under common control with Colorado Department of Transportation. APECs certified inspectors used reasonable diligence and professional judgement to identify all suspect asbestos-containing materials, lead based paint, and regulated building materials in the property. APEC will not be held liable for property damage or any loss of property value due to the inspection. This report is not an abatement plan and is intended to be informational only; APEC will not be held responsible for the mishandling of the information contained herein.

APEC utilized destructive inspection methods in performing this survey, however accessibility may have been a limiting condition. If additional impacted suspect materials are discovered during related work for which there are no sample documentation/results, APEC recommends pursuing one of the following alternatives: Sample and analyze the discovered suspect material(s) to determine whether it contains asbestos, lead or other regulated materials; or assume the material(s) to be containing, quantify and remove on a unit cost basis.

Notwithstanding any provision to the contrary, the total liability of "All Phase Environmental Consultants, Inc.", and its employees, officers or directors be liable in contract, tort, strict liability warranty or otherwise, for any special, incidental or consequential damages, such as but not limited to, delay, disruption, loss of product, loss of anticipated profits or revenue, damages, cost, and expenses, including attorney's fees, shall not exceed the aggregate amount paid to All Phase Environmental Consultants, Inc. under this Agreement regardless of the legal theory under which such liability is imposed.

Tables

Table 3-1	Non-Asbestos Containing Samples
Table 3-2	Summary of Paint Chip Laboratory Analysis for Lead
Table 3-3	Summary of Regulated Building Materials

Table 3-1 Non-Asbestos Containing Samples

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification
AP49-R6-TD1A	ROOM 6	ND	PLM	Good	TEXTURED DRYWALL-RED	WALLS OF ROOM 6	NA
AP49-R6-TD1B		ND	PLM	Good			NA
AP49-R6-TD1C		ND	PLM	Good			NA
AP49-R6-TD2A	ROOM 6	ND	PLM	Good	TEXTURED DRYWALL-PURPLE	WALLS OF ROOM 6	NA
AP49-R6-TD2B		ND	PLM	Good			NA
AP49-R6-TD2C		ND	PLM	Good			NA
AP49-R6-TD3A	ROOM 6	ND	PLM	Good	TEXTURED DRYWALL-YELLOW	WALLS OF ROOM 6	NA
AP49-R6-TD3B		ND	PLM	Good			NA
AP49-R6-TD3C		ND	PLM	Good			NA
AP49-R7-TD4A	ROOM 7	ND	PLM	Good	TEXTURED DRYWALL-TAN	WALLS OF ROOM 6&7	NA
AP49-R6-TD4B	ROOM 6	ND	PLM	Good			NA
AP49-R6-TD4C		ND	PLM	Good			NA
AP49-R6-FT5A	ROOM 6	ND	PLM	Good	FLOOR TILE-BLUE	FLOORS OF ROOM 5&6	NA
AP49-R6-FT5B		ND	PLM	Good			NA
AP49-R5-FT5C	ROOM 5	ND	PLM	Good			NA
AP49-R6-FT6A	ROOM 6	ND	PLM	Good	FLOOR TILE-WHITE	FLOORS OF ROOM 5&6	NA
AP49-R6-FT6B		ND	PLM	Good			NA
AP49-R5-FT6C	ROOM 5	ND	PLM	Good			NA
AP49-R6-L7A	ROOM 6	ND	PLM	Good	LINOLEUM	STEP UP AREA OF ROOM 6	NA
AP49-R6-L7B		ND	PLM	Good			NA

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification
AP49-R6-L7Q	ROOM 6	ND	PLM	Good	LINOLEUM	STEP UP AREA OF ROOM 6	NA
AP49-R6-L7C		ND	PLM	Good			NA
AP49-R6-PL8A	ROOM 6	ND	PLM	Good	PLASTER	CEILING OF ROOM 6	NA
AP49-R6-PL8B		ND	PLM	Good			NA
AP49-R6-PL8C		ND	PLM	Good			NA
AP49-R6-PL8D		ND	PLM	Good			NA
AP49-R6-PL8E		ND	PLM	Good			NA
AP49-R6-D9A	ROOM 6	ND	PLM	Good	DRYWALL	CEILING OF ROOM 6 UNDER PLASTER	NA
AP49-R6-D9B		ND	PLM	Good			NA
AP49-R6-D9C		ND	PLM	Good			NA
AP49-R4-PL10A	ROOM 4	ND	PLM	Good	PLASTER	WALLS AND CEILINGS OF ROOMS 3,4&5	NA
AP49-R5-PL10B	ROOM 5	ND	PLM	Good			NA
AP49-R5-PL10C		ND	PLM	Good			NA
AP49-R5-PL10D		ND	PLM	Good			NA
AP49-R3-PL10E	ROOM 3	ND	PLM	Good			NA
AP49-R5-TD11A	ROOM 5	ND	PLM	Good	TEXTURED DRYWALL	WALL PATCHES IN ROOMS 5&3	NA
AP49-R5-TD11B		ND	PLM	Good			NA
AP49-R3-TD-11C	ROOM 3	ND	PLM	Good			NA
AP49-R6-CT12A	ROOM 6	ND	PLM	Good	CEILING TILE	CEILINGS OF ROOMS 5&6	NA
AP49-R6-CT12B		ND	PLM	Good			NA
AP49-R5-CT12Q	ROOM 5	ND	PLM	Good			NA
AP49-R5-CT12C		ND	PLM	Good			NA

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification
AP49-R7-CB13A	ROOM 7	ND	PLM	Good	COVE BASE/MASTIC	BASE OF ROOMS 4,6&7	NA
AP49-R6-CB13B	ROOM 6	ND	PLM	Good			NA
AP49-R4-CB13C	ROOM 4	ND	PLM	Good			NA
AP49-R6-L14A	ROOM 6	ND	PLM	Good	WINDOW SEAL LINOLEUM	BASE OF WINDOW SEALS	NA
AP49-R5-L14B	ROOM 5	ND	PLM	Good			NA
AP49-R5-L14C		ND	PLM	Good			NA
AP49-R2-TD15A	ROOM 2	ND	PLM	Good	HAND TEXTURED DRYWALL	WALLS AND CEILINGS OF ROOMS 1,2 & BASEMENT	NA
AP49-R1-TD15B	ROOM 1	ND	PLM	Good			NA
AP49-R1-TD15C		ND	PLM	Good			NA
AP49-B-TD15D	BASEMENT	ND	PLM	Good			NA
AP49-B-TD15E		ND	PLM	Good			NA
AP49-R1-PL16A	ROOM 1	ND	PLM	Good	PLASTER	WALLS OF ROOM 1 BEHIND DRYWALL	NA
AP49-R1-PL16B		ND	PLM	Good			NA
AP49-R1-PL16C		ND	PLM	Good			NA
AP49-R1-PC-17A	ROOM 1	ND	PLM	Good	POPCORN CEILING	CEILING OF ROOM 1	NA
AP49-R1-PC17B		ND	PLM	Good			NA
AP49-R1-PC17C		ND	PLM	Good			NA
AP49-R4-CM18A	ROOM 4	ND	PLM	Good	CERAMIC TILE/MORTAR	FLOORS OF ROOM 1, 4 AND STAIRWELL	NA
AP49-R1-CM18Q	ROOM 1	ND	PLM	Good			NA
AP49-R1-CM18B		ND	PLM	Good			NA
AP49-SW-CM18C	STAIRWELL	ND	PLM	Good			NA

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification
AP49-R2-PL19A	ROOM 2	ND	PLM	Good	HAND TEXTURED PLASTER	WALLS OF ROOM 2 & STAIRWELL	NA
AP49-SW-PL19B	STAIRWELL	ND	PLM	Good			NA
AP49-SW-PL19C		ND	PLM	Good			NA
AP49-B-TD20A	BASEMENT	ND	PLM	Good	SMOOTH TEXTURED DRYWALL	WALLS OF BASEMENT UTILITY ROOM	NA
AP49-B-TD-20B		ND	PLM	Good			NA
AP49-B-TD-20C		ND	PLM	Good			NA
AP49-R1-CMU21A	ROOM 1	ND	PLM	Good	CMU/MORTAR	STRUCTURAL WALLS TAKEN IN ROOMS 1,5 & BASEMENT	NA
AP49-B-CMU21B	BASMENT	ND	PLM	Good			NA
AP49-R5-CMU21C	ROOM 5	ND	PLM	Good			NA
AP49-R1-FT22A	ROOM 1	ND	PLM	Good	GREEN FLOOR TILE	FLOOR OF ROOM 1 BELOW CARPET	NA
AP49-R1-FT22B		ND	PLM	Good			NA
AP49-R1-FT22C		ND	PLM	Good			NA
AP49-R1-CP23A	ROOM 1	ND	PLM	Good	CARPET/ADHESIVE	FLOOR OF ROOM 1 AND STAIRWELL	NA
AP49-R1-CP23B		ND	PLM	Good			NA
AP49-SW--CP23C	STAIRWELL	ND	PLM	Good			NA
AP49-EX-BM24A	EXTERIOR	ND	PLM	Good	BRICK/MORTAR	EXTERIOR WALLS	NA
AP49-EX-BM24B		ND	PLM	Good			NA
AP49-EX-BM24Q		ND	PLM	Good			NA
AP49-EX-BM24C		ND	PLM	Good			NA
AP49-R6-CER-25A	ROOM 6	ND	PLM	Good	CERAMIC BLOCK/MORTAR	WALLS OF ROOM 6	NA
AP49-R6-CER-25B		ND	PLM	Good			NA
AP49-R6-CER-25C		ND	PLM	Good			NA

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification
AP49-R5-WG26A	ROOM 5	ND	PLM	Good	WINDOW GLAZING	WINDOWS OF ROOM 5	NA
AP49-R5-WG26B		ND	PLM	Good			NA
AP49-R5-WG26C		ND	PLM	Good			NA
AP49-AT-IN27A	ATTIC	ND	PLM	Good	VENT INSULATION	VENTS IN ATTIC	NA
AP49-AT-IN27B		ND	PLM	Good			NA
AP49-AT-IN27C		ND	PLM	Good			NA
AP49-EX-R28A	ROOF	ND	PLM	Good	ROOF DECKING	ROOF	NA
AP49-EX-R28B		ND	PLM	Good			NA
AP49-EX-R28C		ND	PLM	Good			NA
AP49-EX-RF29A	ROOF	ND	PLM	Good	ROOF FLASHING	ROOF	NA
AP49-EX-RF29B		ND	PLM	Good			NA
AP49-EX-RF29C		ND	PLM	Good			NA
AP49-S-R30A	SHED ROOF	ND	PLM	Good	SHED ROOFING	SHED ROOF	NA
AP49-S-R30B		ND	PLM	Good			NA
AP49-S-R30C		ND	PLM	Good			NA

ND=Non-Detect
 PLM=Polarized Light Microscopy
 NA=Not Applicable

Table 3-2 Summary of Paint Chip Analysis for Lead

Sample Number	Sample Location	Lead Concentration (% wt.)	Component	Paint Description	Classification
AP49-R6-L-1	Room 6	<0.0080	Plaster	Tan	NLC
AP49-R6-L-2	Room 6	<0.0080	Plaster	Red	NLC
AP49-R6-L-3	Room 6	<0.0080	Wood	Perple	NLC
AP49-R6-L-4	Room 6	<0.0080	Plaster	Yellow	NLC
AP49-R4R5-L-5	Room 4 & 5 door	0.019	Wood	White	NLC
AP49-R7-L-6	Room 7	<0.0080	Plaster	White	NLC
AP49-EX-L-7	Exterior	<0.0080	Metal Gutter Drain	Red	NLC
AP49-EX-L-8	Exterior	<0.0080	Wood	Gray	NLC
AP49-EX-L-9	Exterior	<0.0080	Concrete Poles	Red & Yellow	NLC
AP49-EX-L-10	Exterior	<0.0080	Plaster	White	NLC
AP49-EX-L-11	Exterior	<0.0080	Wood	Black	NLC
AP49-R1-L-12	Room 1	<0.0080	Plaster	Off White	NLC
AP49-H-L-13	Hallway	0.13	Plaster	Green	LCP
AP49-BASE-L-14	Basement	<0.0080	Plaster	Tan	NLC

Table 3-3 Summary of Regulated Building Materials

Room	Material	Location	Quantity Fixture/Bulbs each
Hallway	Fluorescent Light	Hallway above drywall near Room 1	1 Fixture/0 Bulbs
Room 5	Fluorescent Light	Room 5 Ceiling	1 Fixture/1 Bulb
Room 6	Fluorescent Light	Room 6 Ceiling	9 Fixtures/ 16 Bulbs
Room 7	Fluorescent Light	Room 7 Ceiling	1 Fixture/1 Bulb
Room 6	Refrigerator/Condenser	Walk-in Room 6	1
Room 6	Exit Sign	Room 6 above doors	2
Exterior	Gas main	West End	1
Basement	HVAC	Basement	1
Exterior	Electrical Meter/Breaker	Northeast End	1
Exterior	Electrical Meter/Breaker	North End	1
Exterior	Fluorescent Light	Exterior Lighting and Sign	7 Fixtures/13 Bulbs

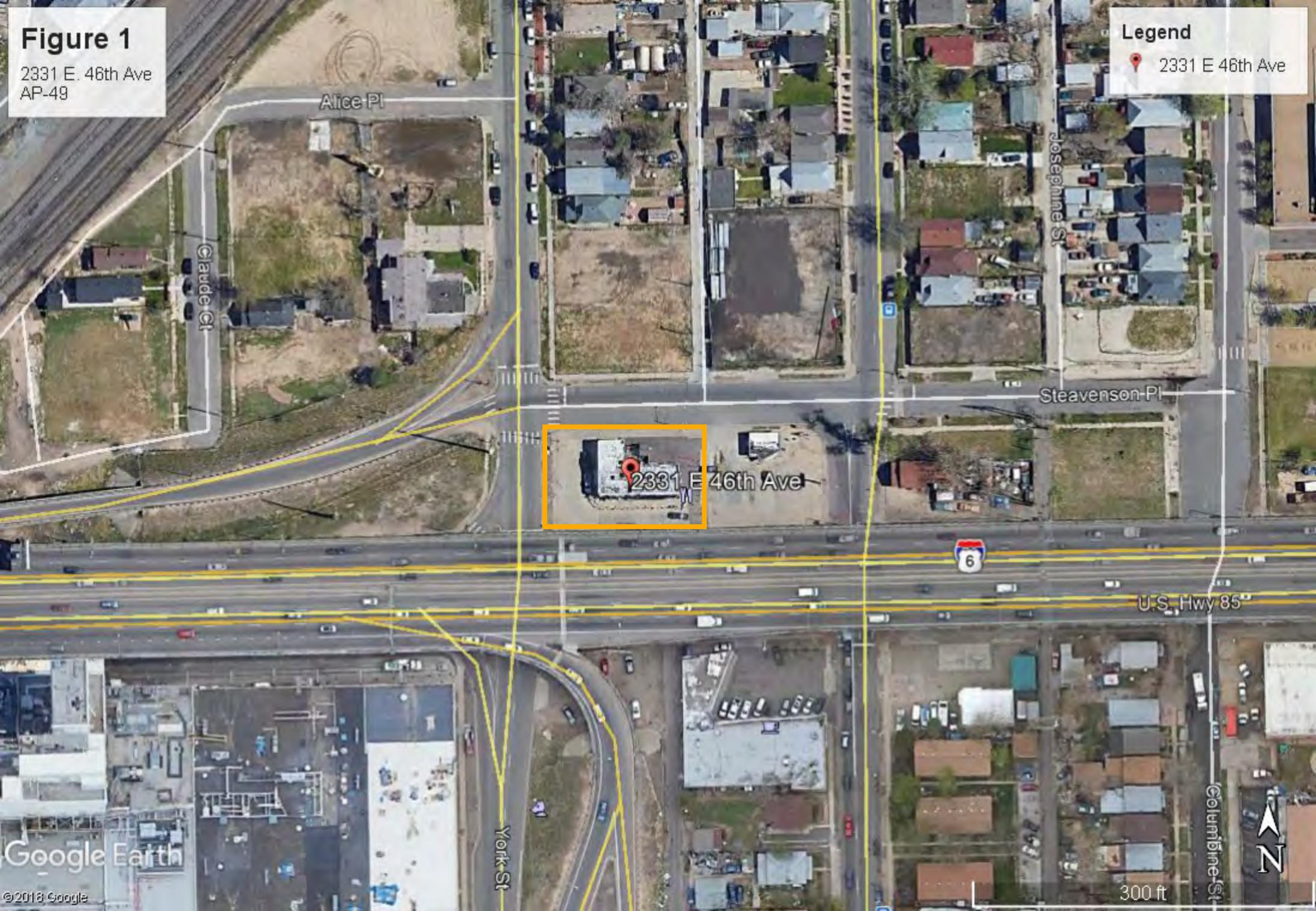
Figures

- Figure 1 Site Location
- Figure 2 Asbestos Bulk Sample Locations
- Figure 3 Lead-Based Paint Sample Locations
- Figure 4 Regulated Building Materials

Figure 1

2331 E. 46th Ave
AP-49

Legend
📍 2331 E 46th Ave



Claude Ct

Alice Pl

Josephine St

Steavenson Pl

2331 E 46th Ave



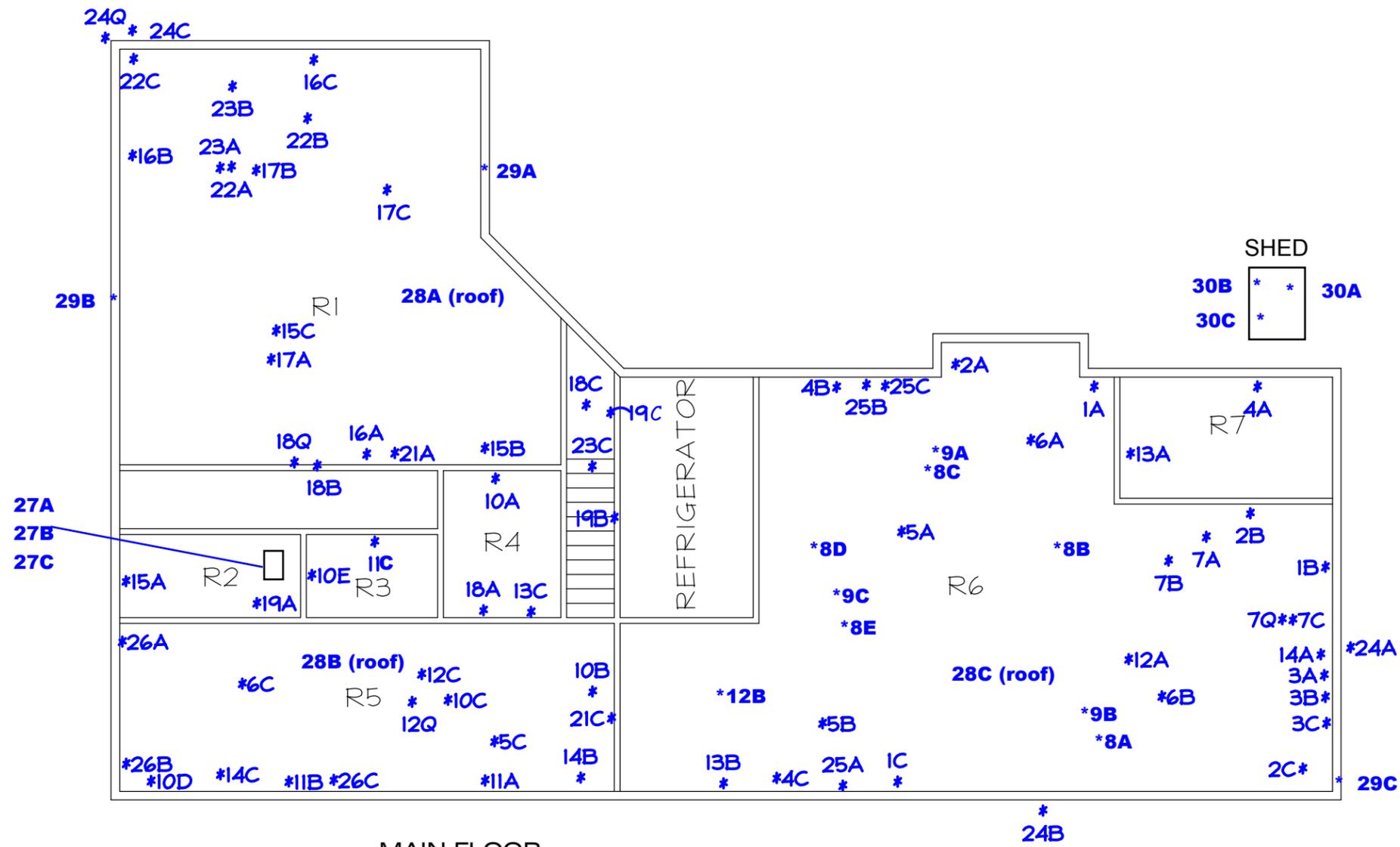
U.S. Hwy 85

York St

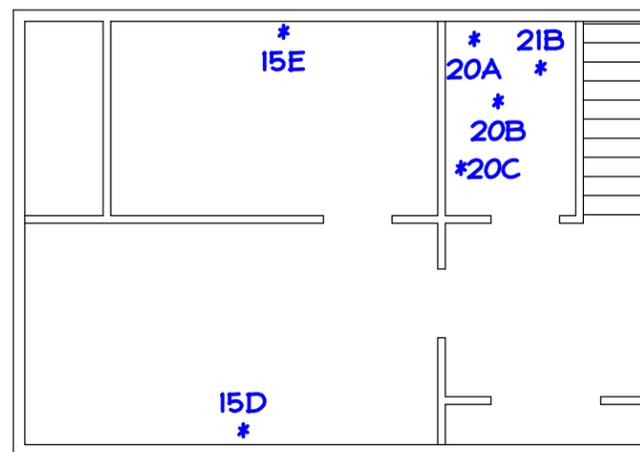
Columbine St



300 ft



MAIN FLOOR



BASEMENT

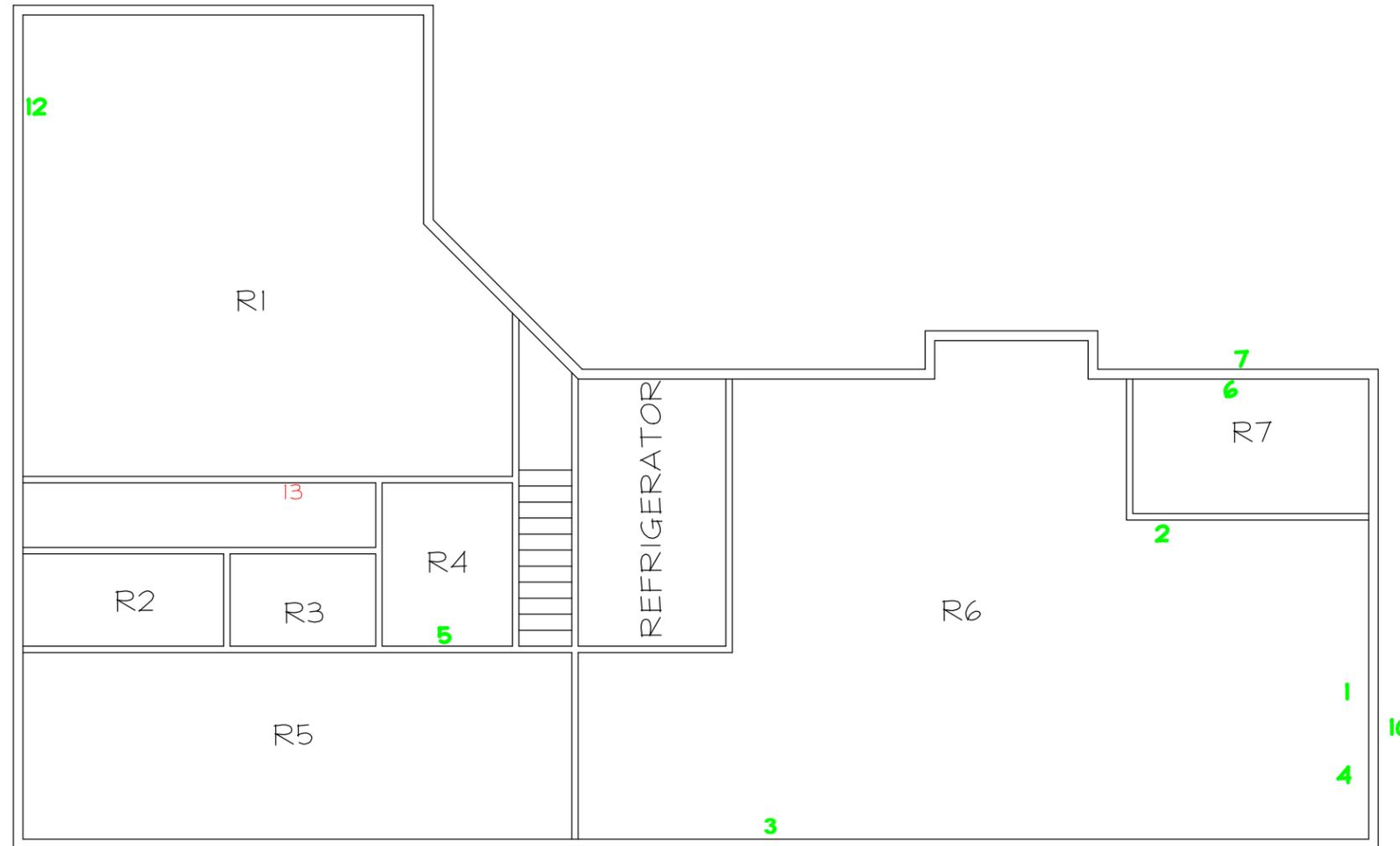
- R1 = Room Numbers
- 4B = Asbestos Samples (Detect)
- 4B = Asbestos Samples (Non-Detect)
- = Attic



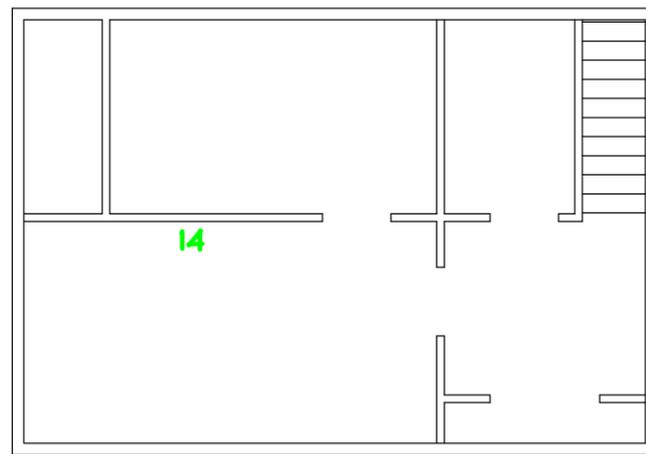
DR BY: R.A.
 APPROVED: B.N.E.
 SCALE: 1/8" = 1'-0"

FIGURE 2 - Asbestos Bulk Sample Locations
 CENTRAL 70 - Structure Survey Assessment Map
 AP-49
 2331 E. 46th Ave., Denver, CO
 May 17, 2018
 APEC #: 18-3066

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 721 W 9TH STREET
 Pueblo, CO 81003 Ph: (719) 545-0375



MAIN FLOOR



BASEMENT

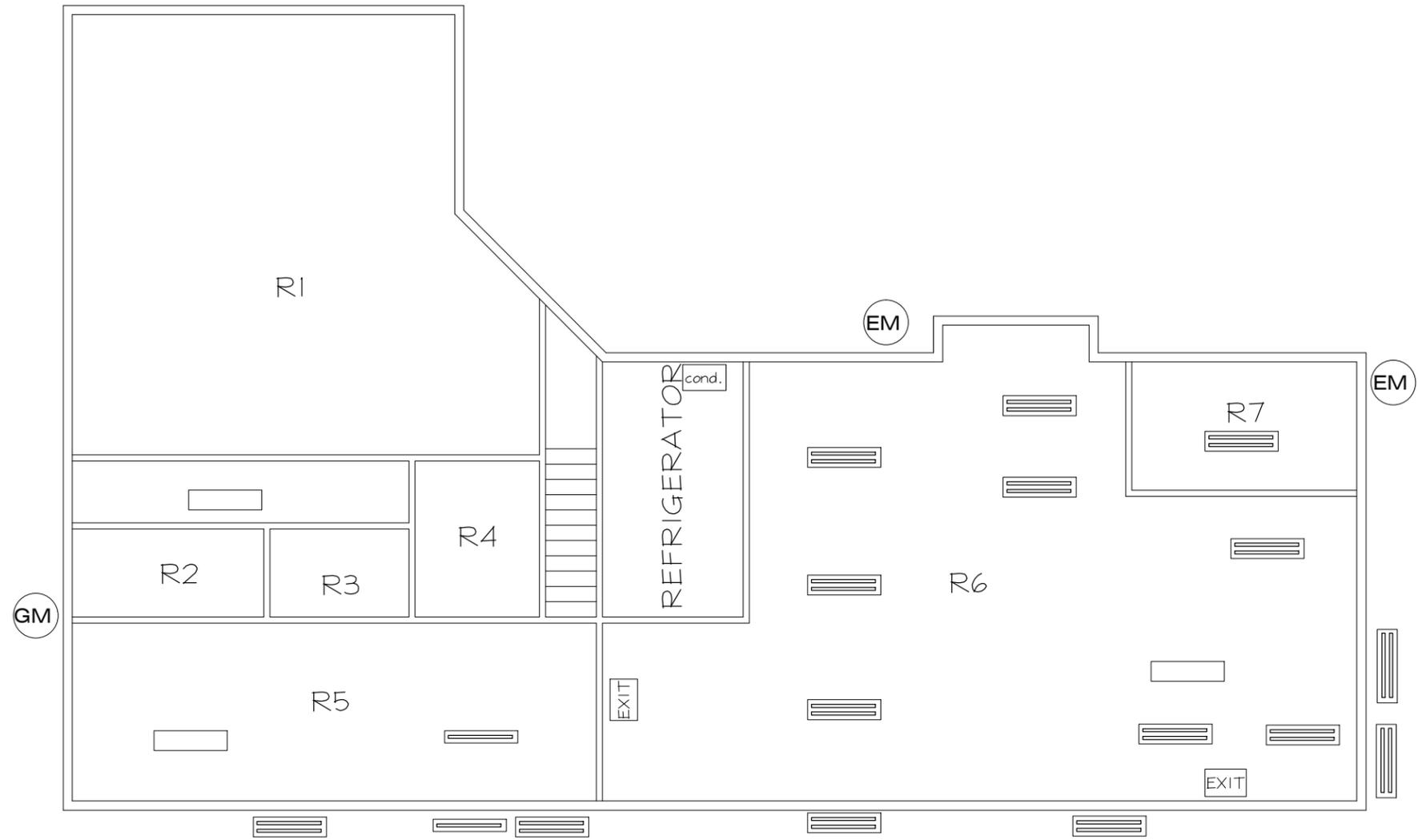


DR BY: R.A.
 APPROVED: B.N.E.
 SCALE: 1/8" = 1'-0"

- R1 = Room Numbers
- 4 = Lead Base Paint (Detect)
- 4 = Lead Containing Paint (Detect)
- 4 = Lead Base Paint (Non-Detect)

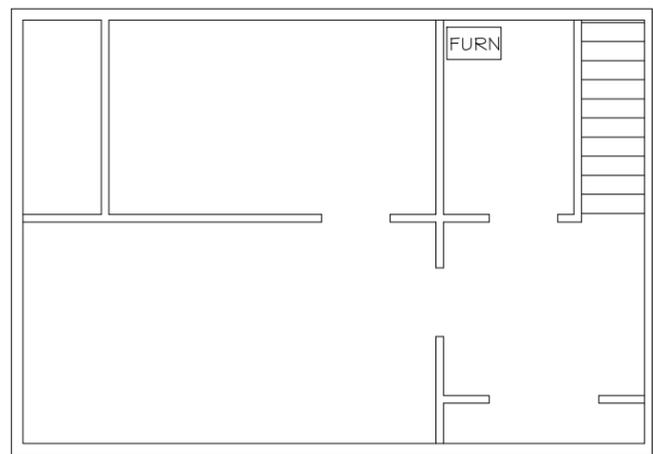
FIGURE 3 - Lead Based Paint Sample Location
 CENTRAL 70 - Structure Survey Assessment Map
 AP-49
 2331 E. 46th Ave., Denver, CO
 May 17, 2018
 APEC #: 18-3066

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 721 W 9TH STREET
 Pueblo, CO 81003 Ph: (719) 545-0375



MAIN FLOOR

- R | = Room Numbers
- FURN = Furnace
- GM = Gas Meter
- EXIT = Emergency Exit Sign
- [Double lines] = 2 Bulb Fluorescent Lights
- [Single line] = 1 Bulb Fluorescent Lights
- [Empty box] = NO Bulb Fluorescent Lights
- cond. = Condenser
- EM = Electric Meter



BASEMENT



DR BY: R.A.
 APPROVED: B.N.E.
 SCALE: 1/8" = 1'-0"

FIGURE 4 - Regulated Building Materials
 CENTRAL 70 - Structure Survey Assessment Map
 AP-49
 2331 E. 46th Ave., Denver, CO
 May 17, 2018
 APEC #: 18-3066

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 Pueblo, CO 81003 Ph: (719) 545-0375

A

ASBESTOS, LEAD AND
LABORATORY CERTIFICATIONS





Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Logan Greenfield

Certification No.: 20715

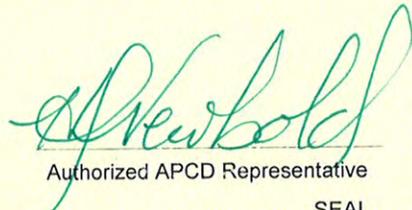
has met the requirements of 25-7-507, C.R.S. and Air Quality Control
Commission Regulation No. 8, Part B, and is hereby certified by the
state of Colorado in the following discipline:

Building Inspector*

Issued: October 18, 2017

Expires: October 18, 2018

** This certificate is valid only with the possession of a
current Division-approved training course certification
in the discipline specified above.*


Authorized APCD Representative
SEAL



Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Logan Greenfield

Certification No.: 20715

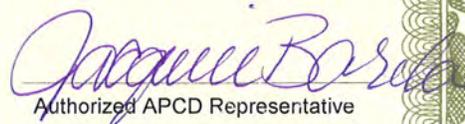
has met the requirements of 25-7-507, C.R.S. and Air Quality Control
Commission Regulation No. 8, Part B, and is hereby certified by the
state of Colorado in the following discipline:

Building Inspector*

Issued: September 13, 2018

Expires: October 18, 2019

** This certificate is valid only with the possession of a
current Division-approved training course certification
in the discipline specified above.*


Authorized APCD Representative

SEAL



1775 West 55th Avenue
Denver, CO 80221
303.410.4941
trainingchc.com



Certifies that

Logan Greenfield

20715

*Has Successfully Completed the EPA- Approved Annual Asbestos Refresher Training Course
Under Section 206 of the Toxic Substance Control Act (TSCA), Title II.*

BUILDING INSPECTOR

Course Date: September 20, 2017
Certificate No.: R17-1661-AI-CO
No. of Hours: 4
Expiration Date: September 20, 2018
Certification not valid without watermark

A handwritten signature in black ink that reads "Frank Hulce".

Frank Hulce - Instructor

A handwritten signature in black ink that reads "Danaya Benedetto".

Danaya Benedetto- Training Program Manager



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Denver, CO 80221,
United States of America

CERTIFICATE OF ACHIEVEMENT

This certificate is awarded to:

LOGAN GREENFIELD

In recognition of satisfactory completion of the EPA-approved annual asbestos
refresher training course under section 206 of the Toxic Substance Control Act (TSCA),

Title II entitled:

BUILDING INSPECTOR

COURSE DATE:

SEPTEMBER 12, 2018

EXPIRATION DATE

SEPTEMBER 12, 2019

COURSE HOURS:

4.0



Verify this Credential

Danaya N. Benedetto
CEO & Training Program Manager

Credential License ID:
11943552



Daniel R. Beaver
Instructor

CHC Training Certificate No.
R18-1729-AI-CO



Visit our Website



Colorado Department
of Public Health
and Environment

LEAD-BASED PAINT CERTIFICATION*

This certifies that

Richard L. Ralston

Certification No.: 9130

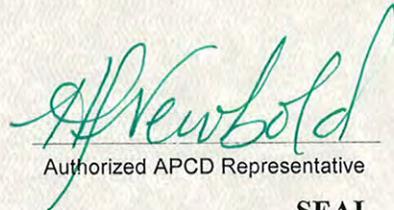
has met the requirements of 25-7-1104, C.R.S. and Air Quality Control
Commission Regulation No. 19, and is hereby certified by the state of
Colorado in the following discipline:

Risk Assessor*

Issued: February 10, 2017

Expires: February 10, 2019

** This certificate is valid only with the possession of a valid
lead-based paint training certificate in the discipline specified
above, issued by either a Colorado approved training provider,
an EPA approved training provider, or a training provider
approved by another EPA authorized program.*


Authorized APCD Representative

SEAL



1775 West 55th Avenue
Denver, CO 80221
303.410.4941
trainingchc.com



Certifies that

Richard Ralston

Has successfully completed the required training hours and passed the examination required by the Colorado Department of Public Health and Environment for:

Lead-Based Paint Risk Assessor Refresher

For the purposes of accreditation under the Colorado Department of Public Health and Environment Regulation No. 19 and other standard developed by EPA pursuant to Title IV of TSCA

Course Date: April 6, 2016
Certificate No.: R16-031-LRA-CO
No. of Hours: 8
Expiration Date: April 6, 2019
Certification not valid without watermark

Luis E. Peon

Luis Peon - Instructor

Danaya Benedetto

Danaya Benedetto - Training Program Manager

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200828-0

EMSL Analytical, Inc.
Denver, CO

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2018-04-01 through 2019-03-31

Effective Dates



Dana S. Haman
For the National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL Analytical, Inc.

1010 Yuma Street
Denver, CO 80204
Ms. Amanda Lang
Phone: 303-740-5700
Email: alang@emsl.com
<http://www.emsl.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200828-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

A handwritten signature in black ink, appearing to read "Dana S. Laman".

For the National Voluntary Laboratory Accreditation Program



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: 100194

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

- | | |
|---|---|
| <input checked="" type="checkbox"/> INDUSTRIAL HYGIENE | Accreditation Expires: September 01, 2018 |
| <input checked="" type="checkbox"/> ENVIRONMENTAL LEAD | Accreditation Expires: September 01, 2018 |
| <input checked="" type="checkbox"/> ENVIRONMENTAL MICROBIOLOGY | Accreditation Expires: September 01, 2018 |
| <input type="checkbox"/> FOOD | Accreditation Expires: |
| <input type="checkbox"/> UNIQUE SCOPES | Accreditation Expires: |

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

William Walsh, CIH
Chairperson, Analytical Accreditation Board

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 15: 03/30/2016

Date Issued: 08/31/2016



AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: **100194**

Issue Date: 08/31/2016

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 01/18/1995

Field of Testing (FoT)	Technology sub-type/ Detector	Method	Method Description <i>(for internal methods only)</i>
Paint		EPA SW-846 3050B	
		EPA SW-846 7000B	
Soil		EPA SW-846 3050B	
		EPA SW-846 7000B	
Settled Dust by Wipe		EPA SW-846 3050B	
		EPA SW-846 7000B	
Airborne Dust		NIOSH 7082	
Composited Wipes		EPA SW-846 3050B	
		EPA SW-846 7000B	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>

B

POSITIVE LEAD SAMPLE
MATERIAL PHOTOGRAPHS





LCP – Green

Sample Represented –
AP49-H-L-13

C

LABORATORY RESULTS &
CHAIN OF CUSTODY-
ASBESTOS





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EMSL Order: 221803653
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003
Project: 18-3066-015-A-AP49

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 05/23/2018 10:20 AM
Analysis Date: 05/31/2018 - 06/02/2018
Collected Date: 05/17/2018

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R6-TD1A-Texture 1 221803653-0001	Textured Drywall - Red	White/Red Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R6-TD1A-Texture 2 221803653-0001A	Textured Drywall - Red	White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R6-TD1A-Drywall 221803653-0001B	Textured Drywall - Red	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
AP49-R6-TD1B-Texture 221803653-0002	Textured Drywall - Red	White/Red Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R6-TD1B-Drywall 221803653-0002A	Textured Drywall - Red	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
AP49-R6-TD1C-Texture 221803653-0003	Textured Drywall - Red	White/Red Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R6-TD1C-Drywall 221803653-0003A	Textured Drywall - Red	White/Beige Non-Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
AP49-R6-TD2A-Texture 221803653-0004	Textured Drywall - Purple	White/Purple Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 06/02/2018 13:13:16



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Collected Date: 05/17/2018

Project: 18-3066-015-A-AP49

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R6-TD2A-Dry wall 221803653-0004A	Textured Drywall - Purple	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
AP49-R6-TD2B-Texture 1 221803653-0005	Textured Drywall - Purple	White/Purple Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R6-TD2B-Texture 2 221803653-0005A	Textured Drywall - Purple	White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R6-TD2B-Tape 221803653-0005B	Textured Drywall - Purple	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
AP49-R6-TD2B-Joint Compound 221803653-0005C	Textured Drywall - Purple	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R6-TD2B-Dry wall 221803653-0005D	Textured Drywall - Purple	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
AP49-R6-TD2C-Texture 221803653-0006	Textured Drywall - Purple	White/Purple Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R6-TD2C-Dry wall 221803653-0006A	Textured Drywall - Purple	Beige Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
AP49-R6-TD3A-Texture 221803653-0007	Textured Drywall - Yellow	White/Yellow Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R6-TD3A-Dry wall 221803653-0007A	Textured Drywall - Yellow	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
AP49-R6-TD3B-Texture 221803653-0008	Textured Drywall - Yellow	White/Yellow Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R6-TD3B-Dry wall 221803653-0008A	Textured Drywall - Yellow	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
AP49-R6-TD3C-Texture 221803653-0009	Textured Drywall - Yellow	Yellow Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R6-TD3C-Tape 221803653-0009A	Textured Drywall - Yellow	Yellow Non-Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
AP49-R6-TD3C-Joint Compound 221803653-0009B	Textured Drywall - Yellow	Beige Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
AP49-R6-TD3C-Dry wall 221803653-0009C	Textured Drywall - Yellow	White Fibrous Homogeneous	20% Cellulose	65% Gypsum 15% Non-fibrous (Other)	None Detected
AP49-R7-TD4A-Texture 221803653-0010	Textured Drywall - Tan	White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R7-TD4A-Dry wall 221803653-0010A	Textured Drywall - Tan	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R6-TD4B-Texture 221803653-0011	Textured Drywall - Tan	White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R6-TD4B-Drywall 221803653-0011A	Textured Drywall - Tan	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
AP49-R6-TD4C-Texture 221803653-0012	Textured Drywall - Tan	Beige Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R6-TD4C-Drywall 221803653-0012A	Textured Drywall - Tan	White Non-Fibrous Homogeneous	15% Cellulose	65% Gypsum 20% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R6-FT5A-Floor Tile 221803653-0013	Floor Tile - Blue	Gray Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
AP49-R6-FT5A-Mastic 221803653-0013A	Floor Tile - Blue	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R6-FT5B-Floor Tile 221803653-0014	Floor Tile - Blue	Gray Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
AP49-R6-FT5B-Mastic 221803653-0014A	Floor Tile - Blue	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R5-FT5C-Floor Tile 221803653-0015	Floor Tile - Blue	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R5-FT5C-Mas tic 221803653-0015A	Floor Tile - Blue	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R6-FT6A-Floo r Tile 221803653-0016	Floor Tile - White	White Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
AP49-R6-FT6A-Mas tic 221803653-0016A	Floor Tile - White	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R6-FT6B-Floo r Tile 221803653-0017	Floor Tile - White	White Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
AP49-R6-FT6B-Mas tic 221803653-0017A	Floor Tile - White	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R5-FT6C-Floo r Tile 221803653-0018	Floor Tile - White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R5-FT6C-Mas tic 221803653-0018A	Floor Tile - White	Black Non-Fibrous Homogeneous	4% Cellulose	96% Non-fibrous (Other)	None Detected
AP49-R6-L7A-Linol eum 221803653-0019	Linoleum	Brown/White Fibrous Homogeneous	8% Glass	25% Ca Carbonate 67% Non-fibrous (Other)	None Detected
AP49-R6-L7B-Linole um 221803653-0020	Linoleum	Brown/White Fibrous Homogeneous	8% Glass	25% Ca Carbonate 67% Non-fibrous (Other)	None Detected
AP49-R6-L7B-Masti c 221803653-0020A	Linoleum	Yellow/Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R6-L7Q-Linoleum 221803653-0021	Linoleum	Brown/White Non-Fibrous Homogeneous	8% Glass	25% Ca Carbonate 67% Non-fibrous (Other)	None Detected
AP49-R6-L7Q-Mastic 221803653-0021A	Linoleum	Yellow/Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R6-L7C-Linoleum 221803653-0022	Linoleum	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R6-L7C-Mastic 221803653-0022A	Linoleum	Tan/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R6-PL8A-Skim Coat 221803653-0023	Plaster	Gray/White Non-Fibrous Heterogeneous		5% Ca Carbonate 15% Gypsum 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R6-PL8A-Plaster 221803653-0023A	Plaster	Tan/White Fibrous Homogeneous	<1% Cellulose	10% Gypsum 90% Non-fibrous (Other)	None Detected
AP49-R6-PL8B-Skim Coat 221803653-0024	Plaster	Gray/White Non-Fibrous Heterogeneous		5% Ca Carbonate 15% Gypsum 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R6-PL8B-Plaster 221803653-0024A	Plaster	White Fibrous Homogeneous	<1% Cellulose	10% Gypsum 90% Non-fibrous (Other)	None Detected
AP49-R6-PL8C-Skim Coat 221803653-0025	Plaster	Gray/White Non-Fibrous Heterogeneous		5% Ca Carbonate 15% Gypsum 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R6-PL8C-Plaster 221803653-0025A	Plaster	White Fibrous Homogeneous	<1% Cellulose	10% Gypsum 90% Non-fibrous (Other)	None Detected
AP49-R6-PL8D-Skim Coat 221803653-0026	Plaster	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
AP49-R6-PL8D-Plaster 221803653-0026A	Plaster	Gray/Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
AP49-R6-PL8E-Plaster 221803653-0027	Plaster	Black/Beige Non-Fibrous Heterogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R6-D9A 221803653-0028	Plain Drywall	Brown/White Fibrous Homogeneous	20% Cellulose	60% Gypsum 20% Non-fibrous (Other)	None Detected
AP49-R6-D9B 221803653-0029	Plain Drywall	Brown/White Fibrous Homogeneous	20% Cellulose	60% Gypsum 20% Non-fibrous (Other)	None Detected
AP49-R6-D9C 221803653-0030	Plain Drywall	White Fibrous Homogeneous	20% Cellulose	65% Gypsum 15% Non-fibrous (Other)	None Detected
AP49-R4-PL10A-Skim Coat 221803653-0031	Plaster	White Non-Fibrous Heterogeneous		5% Ca Carbonate 15% Gypsum 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R4-PL10A-Plaster 221803653-0031A	Plaster	White Fibrous Homogeneous	<1% Cellulose	10% Gypsum 90% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 06/02/2018 13:13:16



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EMSL Order: 221803653
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Received Date: 05/23/2018 10:20 AM
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Collected Date: 05/17/2018
Project: 18-3066-015-A-AP49

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R5-PL10B-Ski m Coat 221803653-0032	Plaster	White/Beige Non-Fibrous Heterogeneous		5% Ca Carbonate 15% Gypsum 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R5-PL10B-Pla ster 221803653-0032A	Plaster	White Fibrous Homogeneous	<1% Cellulose	10% Gypsum 90% Non-fibrous (Other)	None Detected
AP49-R5-PL10C-Ski m Coat 221803653-0033	Plaster	White/Beige Non-Fibrous Heterogeneous		5% Ca Carbonate 15% Gypsum 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R5-PL10C-Pla ster 221803653-0033A	Plaster	White Fibrous Homogeneous	<1% Cellulose	10% Gypsum 90% Non-fibrous (Other)	None Detected
AP49-R5-PL10D-Te xture 221803653-0034	Plaster	White/Beige Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R5-PL10D-Ski m Coat 221803653-0034A	Plaster	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
AP49-R5-PL10D-Pla ster 221803653-0034B	Plaster	Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
AP49-R3-PL10E-Ski m Coat 221803653-0035	Plaster	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
AP49-R3-PL10E-Pla ster 221803653-0035A	Plaster	Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected

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Project: 18-3066-015-A-AP49

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R5-TD11A-Te xture 1 221803653-0036	Textured Drywall	Tan/White Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R5-TD11A-Te xture 2 221803653-0036A	Textured Drywall	White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R5-TD11A-Dr ywall 221803653-0036B	Textured Drywall	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
AP49-R5-TD11B-Te xture 1 221803653-0037	Textured Drywall	Tan/White Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R5-TD11B-Te xture 2 221803653-0037A	Textured Drywall	White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R5-TD11B-Ta pe 221803653-0037B	Textured Drywall	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
AP49-R5-TD11B-Joi nt Compound 221803653-0037C	Textured Drywall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R5-TD11B-Dr ywall 221803653-0037D	Textured Drywall	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R3-TD11C-Dr ywall 221803653-0038	Textured Drywall	White Fibrous Heterogeneous	15% Cellulose	65% Gypsum 20% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R6-CT12A 221803653-0039	Ceiling Tile	Gray/White Fibrous Homogeneous	60% Cellulose 20% MinWool	20% Non-fibrous (Other)	None Detected
AP49-R6-CT12B 221803653-0040	Ceiling Tile	Gray/White Fibrous Homogeneous	60% Cellulose 20% MinWool	20% Non-fibrous (Other)	None Detected
AP49-R5-CT12Q 221803653-0041	Ceiling Tile	Gray/White Fibrous Homogeneous	60% Cellulose 20% MinWool	20% Non-fibrous (Other)	None Detected
AP49-R5-CT12C 221803653-0042	Ceiling Tile	Tan/White Fibrous Homogeneous	55% Cellulose 15% MinWool	20% Perlite 10% Non-fibrous (Other)	None Detected
AP49-R7-CB13A-Co ve Base 221803653-0043	Cove Base/Mastic	Brown/Gray Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
AP49-R7-CB13A-M astic 221803653-0043A	Cove Base/Mastic	Tan Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
AP49-R6-CB13B-Co ve Base 221803653-0044	Cove Base/Mastic	Gray/White Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R6-CB13B-Ma stic 221803653-0044A	Cove Base/Mastic	Tan Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R4-CB13C-Co ve Base 221803653-0045	Cove Base/Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R4-CB13C-Ma stic 221803653-0045A	Cove Base/Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R6-L14A-Lino leum 221803653-0046	Window Seal Linoleum	Gray/Red Fibrous Heterogeneous	15% Cellulose 5% Synthetic 5% Glass	20% Ca Carbonate 55% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R5-L14B-Linol eum 221803653-0047	Window Seal Linoleum	Gray/Yellow Fibrous Heterogeneous	15% Cellulose 5% Synthetic 5% Glass	20% Ca Carbonate 55% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R5-L14B-Mas tic 221803653-0047A	Window Seal Linoleum	Tan Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
AP49-R5-L14B-Coat ing 221803653-0047B	Window Seal Linoleum	Beige Non-Fibrous Homogeneous	2% Wollastonite	25% Ca Carbonate 73% Non-fibrous (Other)	None Detected
Beige colored paint / coating beneath mastic layer					
AP49-R5-L14C 221803653-0048	Window Seal Linoleum	Beige Fibrous Homogeneous	25% Cellulose 5% Glass	70% Non-fibrous (Other)	None Detected
AP49-R2-TD15A-Te xture 221803653-0049	Hand Textured Drywall	White/Beige Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R2-TD15A-Ta pe 221803653-0049A	Hand Textured Drywall	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected

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Project: 18-3066-015-A-AP49

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R2-TD15A-Joint Compound 221803653-0049B	Hand Textured Drywall	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
AP49-R2-TD15A-Drywall 221803653-0049C	Hand Textured Drywall	Brown/White Fibrous Homogeneous	15% Cellulose 2% Glass	70% Gypsum 13% Non-fibrous (Other)	None Detected
AP49-R1-TD15B-Texture 221803653-0050	Hand Textured Drywall	White/Beige Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R1-TD15B-Drywall 221803653-0050A	Hand Textured Drywall	Brown/White Fibrous Homogeneous	15% Cellulose 2% Glass	70% Gypsum 13% Non-fibrous (Other)	None Detected
AP49-R1-TD15C-Texture 221803653-0051	Hand Textured Drywall	White/Beige Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R1-TD15C-Drywall 221803653-0051A	Hand Textured Drywall	Brown/White Fibrous Homogeneous	15% Cellulose 2% Glass	70% Gypsum 13% Non-fibrous (Other)	None Detected
AP49-B-TD15D-Texture 221803653-0052	Hand Textured Drywall	Beige Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-B-TD15D-Tape 221803653-0052A	Hand Textured Drywall	Yellow Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
AP49-B-TD15D-Joint Compound 221803653-0052B	Hand Textured Drywall	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-B-TD15D-Dry wall 221803653-0052C	Hand Textured Drywall	Beige Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
AP49-B-TD15E-Texture 221803653-0053	Hand Textured Drywall	White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-B-TD15E-Dry wall 221803653-0053A	Hand Textured Drywall	Gray Fibrous Homogeneous	20% Cellulose	70% Gypsum 10% Non-fibrous (Other)	None Detected
AP49-R1-PL16A-Texture 221803653-0054	Plaster	White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R1-PL16A-Skim Coat 221803653-0054A	Plaster	White/Variou Non-Fibrous Heterogeneous		5% Ca Carbonate 15% Gypsum 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R1-PL16A-Plaster 221803653-0054B	Plaster	White Non-Fibrous Homogeneous	<1% Cellulose	10% Gypsum 90% Non-fibrous (Other)	None Detected
AP49-R1-PL16B-Skim Coat 221803653-0055	Plaster	White/Variou Non-Fibrous Heterogeneous		5% Ca Carbonate 15% Gypsum 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R1-PL16B-Plaster 221803653-0055A	Plaster	White Fibrous Homogeneous	<1% Cellulose	10% Gypsum 90% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R1-PL16C-Te xture 221803653-0056	Plaster	White/Beige Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R1-PL16C-Ski m Coat 221803653-0056A	Plaster	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
AP49-R1-PL16C-Pla ster 221803653-0056B	Plaster	White/Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
AP49-R1-PC17A-Te xture 221803653-0057	Popcorn Ceiling	White Fibrous Heterogeneous	2% MinWool	30% Ca Carbonate 68% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R1-PC17A-Ski m Coat 221803653-0057A	Popcorn Ceiling	White/Various Non-Fibrous Heterogeneous		5% Ca Carbonate 15% Gypsum 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R1-PC17A-Pla ster 221803653-0057B	Popcorn Ceiling	White Fibrous Homogeneous	<1% Cellulose	5% Ca Carbonate 10% Gypsum 85% Non-fibrous (Other)	None Detected
AP49-R1-PC17B-Te xture 221803653-0058	Popcorn Ceiling	White Fibrous Heterogeneous	2% MinWool	30% Ca Carbonate 68% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R1-PC17B-Ski m Coat 221803653-0058A	Popcorn Ceiling	White/Various Non-Fibrous Heterogeneous		5% Ca Carbonate 15% Gypsum 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					

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Customer ID: ALLP62
Customer PO:
Project ID:

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Received Date: 05/23/2018 10:20 AM
Analysis Date: 05/31/2018 - 06/02/2018
Collected Date: 05/17/2018

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R1-PC17B-Plaster 221803653-0058B	Popcorn Ceiling	White Fibrous Homogeneous	<1% Cellulose	10% Gypsum 90% Non-fibrous (Other)	None Detected
AP49-R1-PC17B-Dr ywall 221803653-0058C	Popcorn Ceiling	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
AP49-R1-PC17C-Texture 221803653-0059	Popcorn Ceiling	White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R1-PC17C-Skin Coat 221803653-0059A	Popcorn Ceiling	Tan/White Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
AP49-R1-PC17C-Plaster 221803653-0059B	Popcorn Ceiling	White/Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
AP49-R4-CM18A-Ceramic Tile 221803653-0060	Ceramic Tile/Mortar	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R4-CM18A-Grout 221803653-0060A	Ceramic Tile/Mortar	Gray Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
AP49-R1-CM18Q-Ceramic Tile 221803653-0061	Ceramic Tile/Mortar	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R1-CM18Q-Thinset 221803653-0061A	Ceramic Tile/Mortar	Gray Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
AP49-R1-CM18B-Ceramic Tile 221803653-0062	Ceramic Tile/Mortar	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 06/02/2018 13:13:16



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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R1-CM18B-Th inset 221803653-0062A	Ceramic Tile/Mortar	Gray Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
AP49-SW-CM18C-C eramic Tile 221803653-0063	Ceramic Tile/Mortar	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-SW-CM18C-G rout 221803653-0063A	Ceramic Tile/Mortar	Gray Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
AP49-R2-PL19A-Te xture 1 221803653-0064	Hand Textured Plaster	White/Beige Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R2-PL19A-Te xture 2 221803653-0064A	Hand Textured Plaster	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
AP49-R2-PL19A-Te xture 3 221803653-0064B	Hand Textured Plaster	White/Blue Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R2-PL19A-Ski m Coat 221803653-0064C	Hand Textured Plaster	White/Variou Non-Fibrous Heterogeneous		5% Ca Carbonate 15% Gypsum 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R2-PL19A-Pla ster 221803653-0064D	Hand Textured Plaster	White Fibrous Homogeneous	<1% Cellulose	10% Gypsum 90% Non-fibrous (Other)	None Detected
AP49-SW-PL19B-Te xture 221803653-0065	Hand Textured Plaster	White/Beige Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-SW-PL19B-Sk im Coat 221803653-0065A	Hand Textured Plaster	White Non-Fibrous Heterogeneous		5% Ca Carbonate 15% Gypsum 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-SW-PL19B-PI aster 221803653-0065B	Hand Textured Plaster	White Fibrous Homogeneous	<1% Cellulose	10% Gypsum 90% Non-fibrous (Other)	None Detected
AP49-SW-PL19C-Te xture 221803653-0066	Hand Textured Plaster	Beige Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-SW-PL19C-PI aster 221803653-0066A	Hand Textured Plaster	Black/Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
AP49-B-TD20A-Dry wall 221803653-0067	Smooth Textured Drywall	Brown/Gray/Beige Fibrous Heterogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-B-TD20B-Dry wall 221803653-0068	Smooth Textured Drywall	Brown/Gray/Beige Fibrous Heterogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-B-TD20C-Text ure 221803653-0069	Smooth Textured Drywall	Beige Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-B-TD20C-Dry wall 221803653-0069A	Smooth Textured Drywall	White Fibrous Homogeneous	20% Cellulose	65% Gypsum 15% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 06/02/2018 13:13:16



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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R1-CMU21A-Block 221803653-0070	CMU/Mortar	Gray/White/Black Non-Fibrous Heterogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R1-CMU21A-Mortar 221803653-0070A	CMU/Mortar	Tan Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-B-CMU21B-Block 221803653-0071	CMU/Mortar	Gray/White/Black Non-Fibrous Heterogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-B-CMU21B-Mortar 221803653-0071A	CMU/Mortar	Tan/White Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-R5-CMU21C-Block 221803653-0072	CMU/Mortar	Gray Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
AP49-R5-CMU21C-Mortar 221803653-0072A	CMU/Mortar	Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
AP49-R1-FT22A-Adhesive 221803653-0073	Green Floor Tile	Tan/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Tan / yellow carpet adhesive on top of floor tile					
AP49-R1-FT22A-Leveler 221803653-0073A	Green Floor Tile	Gray Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
Gray floor leveling compound on top of floor tile					

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 06/02/2018 13:13:16



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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R1-FT22A-Flo or Tile 221803653-0073B	Green Floor Tile	Blue Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
AP49-R1-FT22A-Ma stic 221803653-0073C	Green Floor Tile	Tan/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Tan / yellow mastic associated with floor tile					
AP49-R1-FT22B-Ad hesive 221803653-0074	Green Floor Tile	Tan/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Tan / yellow carpet adhesive on top of floor tile					
AP49-R1-FT22B-Le veler 221803653-0074A	Green Floor Tile	Gray Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
Gray floor leveling compound on top of floor tile					
AP49-R1-FT22B-Flo or Tile 221803653-0074B	Green Floor Tile	Blue Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
AP49-R1-FT22B-Ma stic 221803653-0074C	Green Floor Tile	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Tan / yellow mastic associated with floor tile					
AP49-R1-FT22C-Ad hesive 221803653-0075	Green Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R1-FT22C-Le veler 221803653-0075A	Green Floor Tile	Gray/Black Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
AP49-R1-FT22C-Flo or Tile 221803653-0075B	Green Floor Tile	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R1-FT22C-Ma stic 221803653-0075C	Green Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R1-CP23A-Ca rpet 221803653-0076	Carpet/Adhesive	Brown/Tan Fibrous Homogeneous	80% Synthetic	10% Ca Carbonate 10% Non-fibrous (Other)	None Detected
AP49-R1-CP23A-Ad hesive 221803653-0076A	Carpet/Adhesive	Tan/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R1-CP23A-Le veler 221803653-0076B	Carpet/Adhesive	Gray Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
AP49-R1-CP23B-Ca rpet 221803653-0077	Carpet/Adhesive	Brown/Tan Fibrous Homogeneous	80% Synthetic	10% Ca Carbonate 10% Non-fibrous (Other)	None Detected
AP49-R1-CP23B-Ad hesive 221803653-0077A	Carpet/Adhesive	Tan/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R1-CP23B-Le veler 221803653-0077B	Carpet/Adhesive	Gray Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
AP49-SW-CP23C-C arpet 221803653-0078	Carpet/Adhesive	Tan Fibrous Homogeneous	75% Synthetic	25% Non-fibrous (Other)	None Detected
AP49-SW-CP23C-M astic 221803653-0078A	Carpet/Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-SW-CP23C-L eveler 221803653-0078B	Carpet/Adhesive	Gray Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-EX-BM24A-Br ick 221803653-0079	Brick/Mortar	Black/Pink Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-EX-BM24A-M ortar 221803653-0079A	Brick/Mortar	White/Black Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-EX-BM24B-Bri ck 221803653-0080	Brick/Mortar	Blue/Yellow Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-EX-BM24B-M ortar 221803653-0080A	Brick/Mortar	Gray/Blue Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-EX-BM24Q-Br ick 221803653-0081	Brick/Mortar	Blue/Yellow Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-EX-BM24Q-M ortar 221803653-0081A	Brick/Mortar	Gray/Blue Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
AP49-EX-BM24C-Bri ck 221803653-0082	Brick/Mortar	Tan/Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-EX-BM24C-M ortar 221803653-0082A	Brick/Mortar	Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-R6-CER25A-B lock 221803653-0083	Ceramic Block/Mortar	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R6-CER25A- Mortar 221803653-0083A	Ceramic Block/Mortar	White Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
AP49-R6-CER25B-B lock 221803653-0084	Ceramic Block/Mortar	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R6-CER25B-M ortar 221803653-0084A	Ceramic Block/Mortar	White Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
AP49-R6-CER25C-B lock 221803653-0085	Ceramic Block/Mortar	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R6-CER25C-M ortar 221803653-0085A	Ceramic Block/Mortar	White Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
AP49-R5-WG26A 221803653-0086	Window Glazing	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R5-WG26B 221803653-0087	Window Glazing	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-R5-WG26C 221803653-0088	Window Glazing	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-AT-IN27A 221803653-0089	Vent Insulation	Brown/Tan Fibrous Homogeneous	10% Cellulose 75% MinWool	15% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 06/02/2018 13:13:16



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221803653
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003
Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 05/23/2018 10:20 AM
Analysis Date: 05/31/2018 - 06/02/2018
Collected Date: 05/17/2018
Project: 18-3066-015-A-AP49

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-AT-IN27B 221803653-0090	Vent Insulation	Brown/Tan Fibrous Homogeneous	10% Cellulose 75% MinWool	15% Non-fibrous (Other)	None Detected
AP49-AT-IN27C 221803653-0091	Vent Insulation	Brown/Tan Fibrous Homogeneous	10% Cellulose 75% MinWool	15% Non-fibrous (Other)	None Detected
AP49-EX-R28A-Silv er Paint 221803653-0092	Roofing - Deck	Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-EX-R28A-Roo fing 221803653-0092A	Roofing - Deck	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-EX-R28A-Felt 221803653-0092B	Roofing - Deck	Black Fibrous Homogeneous	25% Glass	75% Non-fibrous (Other)	None Detected
AP49-EX-R28B-Silv er Paint 221803653-0093	Roofing - Deck	Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-EX-R28B-Roo fing 221803653-0093A	Roofing - Deck	Black Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
AP49-EX-R28B-Felt 221803653-0093B	Roofing - Deck	Black Fibrous Homogeneous	25% Glass	75% Non-fibrous (Other)	None Detected
AP49-EX-R28C-Silv er Paint 221803653-0094	Roofing - Deck	Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-EX-R28C-Roo fing 221803653-0094A	Roofing - Deck	Black Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 06/02/2018 13:13:16



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221803653
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003
Project: 18-3066-015-A-AP49

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 05/23/2018 10:20 AM
Analysis Date: 05/31/2018 - 06/02/2018
Collected Date: 05/17/2018

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-EX-R28C-Felt 221803653-0094B	Roofing - Deck	Black Fibrous Homogeneous	25% Glass	75% Non-fibrous (Other)	None Detected
AP49-EX-RF29A-Sil ver Paint 221803653-0095	Roofing - Flashing	Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-EX-RF29A-Ro ofing 221803653-0095A	Roofing - Flashing	Black Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
AP49-EX-RF29A-Fel t 221803653-0095B	Roofing - Flashing	Black Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
AP49-EX-RF29B-Sil ver Paint 221803653-0096	Roofing - Flashing	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-EX-RF29B-Ro ofing 221803653-0096A	Roofing - Flashing	Black Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
AP49-EX-RF29C-Sil ver Paint 221803653-0097	Roofing - Flashing	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
AP49-EX-RF29C-Ro ofing 221803653-0097A	Roofing - Flashing	Black Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
AP49-S-R30A 221803653-0098	Shed - Roofing	Gray/Black Fibrous Homogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
AP49-S-R30B 221803653-0099	Shed - Roofing	Gray/Black Fibrous Homogeneous	8% Glass	92% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 06/02/2018 13:13:16



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221803653
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003
Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 05/23/2018 10:20 AM
Analysis Date: 05/31/2018 - 06/02/2018
Collected Date: 05/17/2018
Project: 18-3066-015-A-AP49

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
AP49-S-R30C 221803653-0100	Shed - Roofing	Black Fibrous Homogeneous	8% Glass	92% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 06/02/2018 13:13:16



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221803653
Customer ID: ALLP62
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Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003
Project: 18-3066-015-A-AP49

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 05/23/2018 10:20 AM
Analysis Date: 05/31/2018 - 06/02/2018
Collected Date: 05/17/2018

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date:	05/23/2018	Sample Receipt Time:	10:20 AM
Analysis Completed Date:	06/02/2018	Analysis Completed Time:	1:03 PM

Analyst(s):

Stuart Printz PLM (126)

Timothy Kleehammer PLM (90)

Samples Reviewed and approved by:

Amanda Lang, Asbestos Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 06/02/2018 13:13:16



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS + TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

221803653

Denver, CO 80204

PHONE: (303) 740-5700

FAX: (303) 741-1400

Company: All-Phase Environmental Consultants, Inc.		EMSL-Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same <small>If Bill to is Different note instructions in Comments**</small>	
Street: 721 W. 9th Street		Third Party Billing requires written authorization from third party	
City: Pueblo	State/Province: CO	Zip/Postal Code: 81003	Country: United States
Report To (Name): Logan Greenfield		Telephone #: 719-250-0036	
Email Address: logan@allphaseenvironmental.com		Fax #:	Purchase Order:
Project Name/Number: 18-3066-015-A-AP49		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: CO		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

Turnaround Time (TAT) Options* - Please Check

3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA	TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)
PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique Other: <input type="checkbox"/>

Check For Positive Stop - Clearly Identify Homogenous Group Filter Pore Size (Air Samples): 0.8µm 0.45µm

Samplers Name: Logan Greenfield Samplers Signature: [Signature]

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
AP49-R6-TD1A	Textured Drywall - Red	—	5-17-18
AP49-R6-TD1B	↓	—	↓
AP49-R6-TD1C		—	
AP49-R6-TD2A	Textured Drywall - Purple	—	
AP49-R6-TD2B	↓	—	
AP49-R6-TD2C		—	
AP49-R6-TD3A	Textured Drywall - Yellow	—	
AP49-R6-TD3B	↓	—	

Client Sample # (s): _____ Total # of Samples: 100

Relinquished (Client): [Signature] Date: 5-22-18 Time: 400

Received (Lab): [Signature] Date: 5/23/18 Time: 10:20 am

Comments/Special Instructions: EMFE 7954 7364 8095 4/4



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRADING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only)

221803653

Denver, CO 80204

Phone (303) 740-5700

Fax (303) 741-1400

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
AP49-R6-TD3C	Textured Drywall - Yellow	—	5-17-18
AP49-R7-TD4A	Textured Drywall - Tan	—	↓
AP49-R6-TD4B	↓	—	
AP49-R6-TD4C	↓	—	
AP49-R6-FT5A	Floor Tile - Blue	—	
AP49-R6-FT5B	↓	—	
AP49-R5-FT5C	↓	—	
AP49-R6-FT6A	Floor Tile - White	—	
AP49-R6-FT6B	↓	—	
AP49-R5-FT6C	↓	—	
AP49-R6-L7A	Linoleum	—	
AP49-R6-L7B	↓	—	
AP49-R6-L7Q	↓	—	
AP49-R6-L7C	↓	—	
AP49-R6-PL8A	Plaster	—	
AP49-R6-PL8B	↓	—	
AP49-R6-PL8C	↓	—	
AP49-R6-PL8D	↓	—	
AP49-R6-PL8E	↓	—	
AP49-R6-D9A	Plain Drywall	—	
AP49-R6-D9B	↓	—	
AP49-R6-D9C	↓	—	
AP49-R4-PL10A	Plaster	—	
AP49-R5-PL10B	↓	—	
*Comments/Special Instructions:			



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Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
AP49-R5-PL10C	Plaster	—	5-17-18
AP49-R5-PL10D	↓	—	↓
AP49-R3-PL10E	↓	—	
AP49-R5-TD11A	Textured Drywall	—	
AP49-R5-TD11B	↓	—	
AP49-R3-TD11C	↓	—	
AP49-R6-CT12A	Ceiling Tile	—	
AP49-R6-CT12B	↓	—	
AP49-R5-CT12Q	↓	—	
AP49-R5-CT12C	↓	—	
AP49-R7-CB13A	Cove Base/Mastic	—	
AP49-R6-CB13B	↓	—	
AP49-R4-CB13C	↓	—	
AP49-R6-L14A	Window Seal Linoleum	—	
AP49-R5-L14B	↓	—	
AP49-R5-L14C	↓	—	
AP49-R2-TD15A	Hand Textured Drywall	—	
AP49-R1-TD15B	↓	—	
AP49-R1-TD15C	↓	—	
AP49-B-TD15D	↓	—	
AP49-B-TD15E	↓	—	
AP49-R1-PL16A	Plaster	—	
AP49-R1-PL16B	↓	—	
AP49-R1-PL16C	↓	—	
*Comments/Special Instructions:			



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Denver, CO 80204

(303) 740-5700

(303) 741-1400

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
AP49-R1-PC17A	Popcorn Ceiling	—	5-17-18
AP49-R1-PC17B	↓	—	↓
AP49-R1-PC17C		—	
AP49-R4-CM18A	Ceramic tile/Mortar	—	
AP49-R1-CM18B	↓	—	
AP49-R1-CM18C		—	
AP49-SW-CM18C		—	
AP49-R2-PL19A	Hand textured Plaster	—	
AP49-SW-PL19B	↓	—	
AP49-SW-PL19C		—	
AP49-B-TD20A	Smooth textured Drywall	—	
AP49-B-TD20B	↓	—	
AP49-B-TD20C		—	
AP49-R1-CMU21A	CMU/Mortar	—	
AP49-B-CMU21B	↓	—	
AP49-R5-CMU21C		—	
AP49-R1-FT22A	Green Floor Tile	—	
AP49-R1-FT22B	↓	—	
AP49-R1-FT22C		—	
AP49-R1-CP23A	Carpet/Adhesive	—	
AP49-R1-CP23B	↓	—	
AP49-SW-CP23C		—	
AP49-EX-BM24A	Brick/Mortar	—	
AP49-EX-BM24B	↓	—	
*Comments/Special Instructions:			



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221803653

Denver, CO 80204
(303) 740-5700
(303) 741-1400

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
AP49-EX-BM24Q	BRICK / MORTAR	—	5-17-18
AP49-EX-BM24C	↓	—	
AP49-R6-CER25A	CERAMIC BLOCK / MORTAR	—	
AP49-R6-CER25B	↓	—	
AP49-R6-CER25C	↓	—	
AP49-R5-WG26A	WINDOW GLAZING	—	
AP49-R5-WG26B	↓	—	
AP49-R5-WG26C	↓	—	
AP49-AT-IN27A	VENT INSULATION	—	
AP49-AT-IN27B	↓	—	
AP49-AT-IN27C	↓	—	
AP49-EX-R28A	ROOFING - DECK	—	
AP49-EX-R28B	↓	—	
AP49-EX-R28C	↓	—	
AP49-EX-RF29A	ROOFING - FLASHING	—	
AP49-EX-RF29B	↓	—	
AP49-EX-RF29C	↓	—	
AP49-S-R30A	SHED - ROOFING	—	
AP49-S-R30B	↓	—	
AP49-S-R30C	↓	—	
*Comments/Special Instructions:			

D

LABORATORY RESULTS &
CHAIN OF CUSTODY -
LEAD & TCLP





EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>

cinnaminsonleadlab@emsl.com

EMSL Order:	201805532
CustomerID:	ALLP62
CustomerPO:	
ProjectID:	

Attn: **Richard Ralston**
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO

Phone: (719) 225-6953
 Fax: (719) 542-2807
 Received: 05/22/18 10:00 AM
 Collected: 5/17/2018

Project: 18-3066-015-L-AP49

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
AP49-R6-L-1 Site: Room 6	201805532-0001	5/17/2018	5/23/2018	0.2577 g	<0.0080 % wt
AP49-R6-L-2 Site: Room 6	201805532-0002	5/17/2018	5/23/2018	0.2628 g	<0.0080 % wt
AP49-R6-L-3 Site: Room 6	201805532-0003	5/17/2018	5/23/2018	0.2537 g	<0.0080 % wt
AP49-R6-L-4 Site: Room 6	201805532-0004	5/17/2018	5/23/2018	0.2686 g	<0.0080 % wt
AP49-R4R5-L-5 Site: Room 4-Room 5	201805532-0005	5/17/2018	5/23/2018	0.2786 g	0.019 % wt
AP49-R7-L-6 Site: Room 7	201805532-0006	5/17/2018	5/23/2018	0.2510 g	<0.0080 % wt
AP49-Ex-L-7 Site: Exterior	201805532-0007	5/17/2018	5/23/2018	0.2600 g	<0.0080 % wt
AP49-Ex-L-8 Site: Exterior	201805532-0008	5/17/2018	5/23/2018	0.2536 g	<0.0080 % wt
AP49-Ex-L-9 Site: Exterior	201805532-0009	5/17/2018	5/23/2018	0.2869 g	<0.0080 % wt
AP49-Ex-L-10 Site: Exterior	201805532-0010	5/17/2018	5/23/2018	0.2658 g	<0.0080 % wt
AP49-Ex-L-11 Site: Exterior	201805532-0011	5/17/2018	5/23/2018	0.2564 g	<0.0080 % wt
AP49-R1-L-12 Site: Room 1	201805532-0012	5/17/2018	5/23/2018	0.2665 g	<0.0080 % wt
AP49-H-L-13 Site: Hallway	201805532-0013	5/17/2018	5/23/2018	0.2563 g	0.13 % wt
AP49-Base-L-14 Site: Basement	201805532-0014	5/17/2018	5/23/2018	0.2762 g	<0.0080 % wt

Phillip Worby, Lead Laboratory Manager
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 05/25/2018 09:02:18



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

201805532

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

Company: All-Phase Environmental Consultants, Inc.		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 721 W. 9th Street		Third Party Billing requires written authorization from third party	
City: Pueblo	State/Province: CO	Zip/Postal Code: 81003	Country: US
Report To (Name): Richard Ralston		Telephone #: 719-545-0375	
Email Address: rick@allphaseenvironmental.com		Fax #:	Purchase Order:
Project Name/Number: 18-3066-015-L-AP49		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: CO		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

3 Hour
 6 Hour
 24 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide

Matrix	Method	Instrument	Reporting Limit	Check
Chips <input checked="" type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm (mg/kg)	SW846-7000B	Flame Atomic Absorption	0.01%	<input checked="" type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300M/NIOSH 7303	ICP-OES	0.5 µg/filter	<input type="checkbox"/>
Wipe* ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> <small>*if no box checked, non-ASTM Wipe assumed</small>	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-OES	1.0 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1311/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
SPLP	SW846-1312/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1312/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
TTLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	<input type="checkbox"/>
STLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Name of Sampler: *Rick Ralston* Signature of Sampler: *RRalston*

Sample #	Location	Volume/Area	Date/Time Sampled
AP49-R6-2-1	Room 4	N/A	5-17-2018
AP49-R6-2-2	Room 6	↓	"

Client Sample #s: - Total # of Samples: 14

Relinquished (Client): *RRalston* Date: *May 20, 2018* Time: *6:00*

Received (Lab): *Clint MK* Date: *5/22/18* Time: *10am* *EMSL*

Comments:
Bill To: All-Phase Environmental Consultants, Inc., 721 W. 9th Street, Pueblo, CO, 81003, US
Attention: Rick Ralston Phone: 719-641-6936 Email: rick@allphaseenvironmental.com Purchase Order:

EMSL Analytical, Inc.
200 Route 130 North



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING
EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

LEAD (Pb) CHAIN OF CUSTODY
EMSL ORDER ID (Lab Use Only):

201805532

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled		
3- AP49-R6 L-3	Room 6	N/A	may 17-2018		
4- AP49-R6 L-4	Room 6	↓	↓		
5- AP49-R4R5 L-5	Room 4 - Room 5				
6- AP49-R7- L-6	Room 7				
7- AP49-EX- L-7	EXTERIOR				
8- AP49-EX- L-8	" "				
9- AP49-EX- L-9	" "				
10- AP49-EX L-10	EXTERIOR				
11- AP49-EX- L-11	" "				
12- AP49-R1- L-12	Room 1				
13- AP49-H- L-13	HALLWAY				
14- AP49-BASE- L-14	BASEMENT				

Comments/Special Instructions:

Bill To: All-Phase Environmental Consultants, Inc., 721 W. 9th Street, Pueblo, CO, 81003, US
Attention: Rick Ralston Phone: 719-641-6936 Email: rick@allphaseenvironmental.com Purchase Order:



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>

cinnaminsonleadlab@emsl.com

EMSL Order:	201805519
CustomerID:	ALLP62
CustomerPO:	
ProjectID:	

Attn: **Richard Ralston**
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO

Phone: (719) 225-6953
 Fax: (719) 542-2807
 Received: 05/22/18 10:00 AM
 Collected: 5/17/2018

Project: 18-3066- 015- TP- AP 49

Test Report: Toxicity Characteristic Leachate Procedure (1311/7000B)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
AP49-TCLP-1	201805519-0001	5/17/2018	5/24/2018	<0.40 mg/L
Site: Throughout AP49				

Phillip Worby, Lead Laboratory Manager
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

Initial report from 05/25/2018 09:34:05



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING
LABORATORY • PRODUCTS • TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

201805519

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

Company: All-Phase Environmental Consultants, Inc.		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 721 W. 9th Street		Third Party Billing requires written authorization from third party	
City: Pueblo	State/Province: CO	Zip/Postal Code: 81003	Country: US
Report To (Name): Richard Ralston		Telephone #: 719-545-0375	
Email Address: rick@allphaseenvironmental.com		Fax #:	Purchase Order:
Project Name/Number: 18-3066-OIS-TP-AP49		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: CO		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide

Matrix	Method	Instrument	Reporting Limit	Check
Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm (mg/kg)	SW846-7000B	Flame Atomic Absorption	0.01%	<input type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300M/NIOSH 7303	ICP-OES	0.5 µg/filter	<input type="checkbox"/>
Wipe* <input type="checkbox"/> ASTM non ASTM <input type="checkbox"/> *if no box checked, non-ASTM Wipe assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-OES	1.0 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input checked="" type="checkbox"/>
	SW846-1311/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
SPLP	SW846-1312/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1312/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
TTLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	<input type="checkbox"/>
STLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Name of Sampler: Rick Ralston Signature of Sampler: R Ralston

Sample #	Location	Volume/Area	Date/Time Sampled
AP49-TCLP-1	Thru out AP49	1 Bag, approx 1/2 LB	MAY 17-2018

Client Sample #s: - Total # of Samples: 552

Relinquished (Client): R Ralston Date: May 20-2018 Time: 5:52

Received (Lab): [Signature] Date: 5/22/18 Time: 10am EMSL

Comments: Bill To: All-Phase Environmental Consultants, Inc., 721 W 9th Street, Pueblo, CO, 81003, US
Attention: Rick Ralston Phone: 719-641-6936 Email: rick@allphaseenvironmental.com Purchase Order

3b. Pre-Demolition Engineering Survey



Pre-Demolition Survey
And General Demolition Plan
For
2331 & 2381 East 46th Avenue
Denver, CO 80216
(AP-49, AP-49A)



Engineers: David A. Poe, P.E., S.E.
Glen L. Wilson, E.I.

July 13, 2018
Project No: 180113

July 13, 2018

Stephen P. Di Nardo
JKS Industries, LLC
747 Sheridan Blvd #9A
Lakewood, CO 80214

Re: 2331 & 2381 East 46th Ave. Denver, CO 80216
Pre-Demolition Engineering Survey per OSHA 1926.850(a)
And General Demolition Plan

Date of Observation: 06/20/18

Dear Mr. Di Nardo:

At the request of JKS Industries (JKS), a representative from Anchor Engineering, Inc. (AEI) performed a site observation at the above-referenced structure on Wednesday, June 20, 2018.

For the purpose of this report, there are two buildings on the property. Some discrepancies exist in the addresses for the buildings. In this report the addresses will be the addresses that were on the building entrances at the time of our observation. The front elevation of the west building (2331) faces south and is parallel to 46th Avenue. The front elevation of the east building (2381) faces south and is parallel to 46th Avenue. Both properties are bordered on the north by Steavenson Place. At the time of our observation the buildings were vacant.

Additional considerations for this site include underground storage tanks (UST) for fuel and waste storage. Refer to the Integrated Work Plan provided by Region 8 Enviro, LLC and the Geophysical Report provided by JR Geophysics dated June 11, 2018 for tank locations and removal procedures.

The purpose of our site visit was twofold:

1. To give an assessment of the current condition of the structures as it relates to structurally related hazards before the proposed demolition activities. OSHA 1926.850 is stated below, along with project specific applicability to the subject building.
 - a. ***OSHA 1926.850(a):*** *Prior to permitting employees to start demolition operations, an engineering survey shall be made, by a competent person, of the structure to determine the condition of the framing, floors, and walls, and possibility of unplanned collapse of any portion of the structure. Any adjacent structure where employees may be exposed shall also be similarly checked. The employer shall have in writing evidence that such a survey has been performed.*

Project Specific Applicability: The information contained in this report satisfies the requirement of this guideline. The subcontractor shall review this report and make a copy available to all employees on the project at the pre-project meeting, and it shall also be included in the job site books.

- b. ***OSHA 1926.85(b):*** *When employees are required to work within a structure to be demolished which has been damaged by fire, flood, explosion, or other cause, the walls or floor shall be shored or braced.*

Project Specific Applicability: 2331 & 2381 East 46th Ave. Denver, CO 80216 have not been damaged by any fire, flood, explosion, or any other event. Therefore, no shoring or bracing is required.

- c. **OSHA 1926.850(c):** *All electric, gas, water, steam, sewer, and other service lines shall be shut off, capped, or otherwise controlled, outside the building line before demolition work is started. In each case, any utility company which is involved shall be notified in advance.*

Project Specific Applicability: The contractor and subcontractor will ensure all electric, gas, water, steam, sewer, and other services are to be cut off prior to any work being performed. Contractor shall confirm with KMP through the pre-demolition check list and present the necessary information in the pre-demolition meetings.

- d. **OSHA 1926.850(d):** *If it is necessary to maintain any power, water or other utilities during demolition, such lines shall be temporarily relocated, as necessary, and protected.*

Project Specific Applicability: The demolition of 2331 & 2381 East 46th Ave. Denver, CO 80216 does not require any power, water or other utilities.

- e. **OSHA 1926.850(e):** *It shall also be determined if any type of hazardous chemicals, gases, explosives, flammable materials, or similarly dangerous substances have been used in any pipes, tanks, or other equipment on the property. When the presence of any such substances is apparent or suspected, testing and purging shall be performed and the hazard eliminated before demolition is started.*

Project Specific Applicability: All types of hazardous chemicals, gases, explosives, flammable materials, or other dangerous substances shall be removed from the structures prior to demolition as part of the pre cleaning phase during the environmental remediation. All materials are to be documented, manifested, and included in the environmental close out documents.

- f. **OSHA 1926.850(f):** *Where a hazard exists from fragmentation of glass, such hazards shall be removed.*

Project Specific Applicability: All hazards from fragmentation of glass shall be removed in the normal course of demolition.

- g. **OSHA 1926.850(g):** *Where a hazard exists to employees falling through wall openings, the opening shall be protected to a height of approximately 42 inches.*

Project Specific Applicability: No employees are permitted to enter the structures once demolition begins. Rule applies to interior demolition.

- h. **OSHA 1926.850(h):** *When debris is dropped through holes in the floor without the use of chutes, the area onto which the material is dropped shall be completely enclosed with barricades not less than 42 inches high and not less than 6 feet back from the projected edge of the opening above. Signs, warning of the hazard of falling materials, shall be posted at each level. Removal shall not be permitted in this lower area until debris handling ceases above.*

Project Specific Applicability: No employees are permitted to enter the structures once demolition begins. Rule applies to interior demolition.

- i. **OSHA 1926.850(i):** *All floor openings, not used as material drops, shall be covered over with material substantial enough to support the weight of any load which may be imposed. Such material shall be properly secured to prevent its accidental movement.*

Project Specific Applicability: The buildings are single story structures. Refer to the demolition sequencing section of this report for further information.

- j. **OSHA 1926.850(j)**: *Except for the cutting of holes in floors for chutes, holes through which to drop materials, preparation of storage space, and similar necessary preparatory work, the demolition of exterior walls and floor construction shall begin at the top of the structure and proceed downward. Each story of exterior wall and floor construction shall be removed and dropped into the storage space before commencing the removal of exterior walls and floors in the story next below.*

Project Specific Applicability: The buildings are single story structures. Refer to the demolition sequencing section of this report for further information.

- k. **1926.850(k)**: *Employee entrances to multistory structures being demolished shall be completely protected by sidewalk sheds or canopies, or both, providing protection from the face of the building for a minimum of 8 feet. All such canopies shall be at least 2 feet wider than the building entrances or openings (1 foot wider on each side thereof), and shall be capable of sustaining a load of 150 pounds per square foot.*

Project Specific Applicability: Not applicable. The buildings are single story structures. No employees are permitted to enter the structures once demolition begins.

2. Provide a general outline of the demolition procedures and sequence that is proposed to be used in the demolition of the subject structures. These outlined procedures/sequences are subject to change by AEI and/or the demolition contractor based on the observed response of the structure overall and components thereof during actual demolition operations.

No architectural or structural drawings were provided for our review.

The buildings are single-story structures. The west building (2331) has multi-wythe masonry exterior walls with wood-framed roof rafters. The roof rafters are assumed to span east to west in the west portion of the building and north to south in the east portion. The west portion of the building has a concrete floor above a partial basement floor approximately 7'-0" below grade and the east portion has a concrete slab on grade. The north wall of the building is located approximately 12'-0" from the back of the curb at Steavenson Place. It is assumed to be founded on spread footings with concrete foundation walls and a concrete slab on grade floor. The east building (2381) is assumed to have wood-framed exterior walls and roof rafters. The north wall of the building is located approximately 9'-0" from the back of the curb at Steavenson Place. The building has a concrete floor over a full basement with a floor elevation approximately 7'-0" below grade. The building is assumed to be founded on spread footings with concrete foundation walls and a concrete slab on grade floor.

Existing Condition Observation

During our site visit we made visual observations from the inside of the structures and around the building perimeters. The structures were partially exposed in all areas. All of the existing structural systems that were exposed to view appeared to be in good condition. We saw no evidence of noteworthy structural distress. It is our professional opinion that the possibility of un-planned collapse of any portion of the existing structures is very low. Workers may be allowed in the buildings to prepare them for demolition with such activities as removal of materials or other work that does not involve activities that affect existing structural systems.

Outline of Proposed Demolition Procedures, Equipment, and Sequence

Equipment

We anticipate demolition for this structure to be completed with heavy equipment including:

- “Track-hoe” excavators capable of reaching structural elements to be demolished. Excavators may be equipped at times with buckets/grapples, hydraulically actuated demolition hammers or shears, and other custom extensions for demolition and/or holding elements for temporary stability.
- Small skid steer loaders may also be utilized from time to time during demolition

Demolition Sequencing

General

After the commencement of demolition with heavy equipment, by necessity, structural systems from this point forth will be destroyed. Demolition should proceed as fast as practical until the structure is demolished in its entirety. The lateral stability of the west building is provided by the perimeter multi-wythe masonry walls. The lateral stability of the east building is provided by the perimeter wood-framed walls.

During demolition operations, care must be taken to protect and prevent damage to any active or live utilities both above and below ground.

During demolition, water will be used to wet down the area that is being demolished prior to starting the demolition. During the demolition process a water spray will be used to minimize the fugitive particulate matter emissions. The ground will be sprayed with water either by water truck or some type of water spray to minimize fugitive particulate emissions from haul trucks and demolition equipment.

Sequence

Due to the close proximity of the north walls of both buildings to Steavenson Place, it is recommended that Steavenson Place be temporarily closed during demolition operations.

The west building’s (2331 East 46th Ave.) superstructure may be collapsed starting at the east portion of the building on the east side and proceeding through the length of the east portion in the east/west direction. The superstructure of the west portion of the building may be collapsed into the basement starting at the northwest corner of the building and proceeding thru the length of the west portion of the building to the south. Do not drive equipment onto the footprint of the building until the structure has been collapsed entirely.

The east building’s (2381 East 46th Ave.) superstructure may be collapsed into the basement by starting at the north side and proceeding through the length of the building to the south. Do not drive equipment onto the footprint of the buildings until the structure has been collapsed entirely.

Once the roof, walls, and floor systems are demolished, the slab on grade and foundations can be removed in any sequence. After the north foundation walls have been demolished, a minimum of 1 ½ to 1 slope of the grade shall be established to prevent damage to the grade at Steavenson Place. Final Grade and compaction design by others.

Closing

This report constitutes an engineering review and summary of the pre-demolition condition of the structural systems of the subject building as well as a general outline of demolition procedures and sequencing. Note that the conclusions drawn are based on visual observations and our expertise and experience with structural engineering of building structures. Unless noted otherwise, no non-destructive or destructive testing of any kind was performed, nor was any formal engineering analysis completed. These procedures/sequences outlined herein are subject to change by AEI and/or the demolition contractor based on the observed response of the structure overall and components thereof during actual demolition operations. Anchor Engineering, Inc. shall be held harmless for damage of any kind to surrounding structures or property or for injury of any kind to any person or persons. The demolition contractor is responsible for jobsite safety. The conclusions presented in this report are based on conditions noted at the time of the observation. Commentary or recommendations regarding environmental issues are beyond the scope of this report. Should questions arise, or if further information is required regarding the content of this report, please contact our office.

Sincerely,
Anchor Engineering, Inc.



Glen L. Wilson, E.I.
Design Engineer

Reviewed By:



David A. Poe, P.E., S.E.
Principal

4. Materials Summary

February 4, 2019

Megan Wood
 Kiewit Infrastructure Co.
 160 Inverness Drive West, Suite 110
 Englewood, CO 80112

RE: AP-49 2331 E 46th Ave. – Summary of Removed Materials

Dear Megan,

Below is a summary of the materials removed from 2331 E 46th Ave. Denver, CO 80216.

Material Removed	Quantity
Regulated Building Materials	11 Lightbulbs, 6 Gallons Latex Paint, 1 Microwave, 1 Fridge
Clean Demolition Debris (Building Demolition)	1,184,400 lbs
Clean Demolition Debris (Site Demolition)	583,200 lbs
Recycled Concrete (Site Demolition)	1,312,200 lbs
Recycled Metals (Building Demolition. Consists of steel and copper, unsegregated)	7,660 lbs

If you have any questions or require further information regarding these quantities, please contact me at 303-238-0207.

Sincerely,
JKS Industries, LLC



Jeffrey Knight
 President

5. Waste Manifests

5a. Regulated Building Materials (RBMs) Waste Manifests

February 14, 2018

CDOT

RE: Regulated Building Materials Manifests in SSCRs

To whom it may concern;

This letter is to explain the "SSCR Tracking Sheet" JKS Industries prepared for the purpose of documenting the manifests for the Regulated Building Materials (RMBs) included in the SSCR's.

The attached table describes how we have batched the RBM manifests per property. Here is a brief description of each grouping:

- Group 1 Independent: Each of the properties in this group has/will have its own RBM manifest. These manifests will be included in the SSCR for each property.
- Group 2 Pilot: The RBMs were removed from these properties and taken to the Pilot Truck Stop (AP-86). The reason for this, is that the volume was so low it was more cost effective just to lump them in with the Pilot RBMs than to have a separate pickup. There is no way to separate the inventories of these properties from the Pilot. The manifest will be included in the SSCR for each property.
- Group 3 Independent: The RBMs for these properties were removed and taken to the JKS warehouse for a single pick-up. A detailed inventory for these properties will be included in the individual SSCRs as well as a copy of the bulk pick-up manifest.
- Group 4 Not Required: The RBMs for these properties were removed prior to Kiewit taking possession of the property. This will be clarified in each individual SSCR for these properties.
- Group 5 AP-122: The RBMs for these properties were taken to AP-122. The reason for this, is that the volume was so low it was more cost effective just to lump them in with the RBMs at AP-122 than to have a separate pickup. An inventory for these properties were taken and will be included in the SSCR along with the RBM manifest.

An indication as to whether or not RBMs were removed will be found in the "Closeout Letter" portion of each SSCR; any additional notes or details will be found in the "Materials Summary" portion. Please reach out to us if you need any further clarification.



Stephen P. DiNardo

Director of Quality Management, JKS Industries

Regulated Building Material Groupings and Aconex Close Out #

Revision Date

2/11/2019

##	Parcel #	Site Address	RBM Groupings					Close Out Documents
			Group 1 Independent	Group 2 Pilot	Group 3 JKS	Group 4 Not Required	Group 5 AP-122	SSCR Aconex #
1	AP-8	4618 High St.			Complete			C70-JKS-ENV-RPT-000014
2	AP-14	4617/4625 Race St.			Complete			Not Demo'd
3	AP-23	4639 Vine St.				Not Required		C70-JKS-PRM-RPT-000012
4	AP-28	4646 Vine St.			Complete			C70-JKS-ENV-RPT-000011
5	AP-33	4637 Claude Ct.		Complete				C70-JKS-ENV-RPT-000002
6	AP-34	4639 Claude Ct.		Complete				C70-JKS-ENV-RPT-000003
7	AP-42	4620 Claude St.				Not Required		C70-JKS-ENV-RPT-000004
8	AP-49	2381 E. 46th Ave.			Complete			C70-JKS-ENV-RPT-000023
9	AP-49A	2381 E. 46th Ave.			Complete			C70-JKS-ENV-RPT-000018
10	AP-53	4608 Josephine			Complete			C70-JKS-ENV-RPT-000015
11	AP-68	4601 Clayton					Complete	SSCR in Process; Due 2/18
12	AP-66	2615 E. 46th	Complete					C70-KIE-ENV-RPT-000004
13	AP-69	4611 Clayton			Complete			SSCR in Process; Due 2/18
14	AP-70	4621 Clayton			Complete			C70-JKS-ENV-RPT-000008
15	AP-72	4550 Clayton			Complete			C70-JKS-ENV-RPT-000021
	AP-72A	2716 E 46th Ave			Complete			C70-JKS-ENV-RPT-000019
16	AP-73	4600 Clayton				None Found		SSCR in Process; Due 2/18
17	AP-74	4610 Clayton				None Found		C70-JKS-ENV-RPT-000025
18	AP-75	4620 Clayton			Complete			C70-JKS-ENV-RPT-000009
19	AP-77	4615 Fillmore			Complete			C70-JKS-ENV-RPT-000012
20	AP-78	4625 Fillmore			Complete			C70-JKS-ENV-RPT-000016
21	AP-79	4605 Fillmore			Complete			C70-JKS-ENV-RPT-000017
22	AP-80	4610 Fillmore			Complete			C70-JKS-ENV-RPT-000024
23	AP-81	4620 Fillmore			Complete			C70-JKS-ENV-RPT-000020
24	AP-83	4625 Milwaukee			Complete			C70-JKS-ENV-RPT-000026
25	AP-86	3223 E. 46th Ave.	Complete					C70-JKS-ENV-RPT-000007
26	AP-86B	3455 E. 46th Ave.	Complete					C70-JKS-ENV-RPT-000005
27	AP-93	3538 E 46th Ave				No Survey		On Hold till 2020
28	AP-93A	3600 E 46th Ave Office				No Survey		On Hold till 2020
29	AP-102	4625 Colorado Blvd	Complete					Not Demo'd
30	AP-109E	5125 E. Stapleton N. Dr.	Complete					Demolition in Process
31	AP-109W	5175 E. Stapleton N. Dr.	Complete					Demolition in Process
32	AP-122	5601 E. Stapleton N. Dr.					Complete	On Hold till 2020
33	AP-185	4542 Filmore			Complete			C70-JKS-ENV-RPT-000010
34		Pump House						C70-JKS-ENV-RPT-000013

Group Details:

Group 1: Each property will have it's own individual RBM manifest

Group 2: RBMs from these properties went to the Pilot (AP-86) and will be on the Pilot Manifest

Group 3: RBMs for these properties were picked up in bulk. Refer to materials summary for detail on the actual RBMs removed for each property

Group 4: RBMs for these properties were either removed by Kiewit ("Not Required"), none were found ("None Found"), or the survey has not been released yet ("No Survey")

Group 5: RBMs from these properties went to AP-122 and will be on the manifest for AP-122

WASTE BILL OF LADING & CERTIFICATE OF RECYCLING		P/U Fees: \$25 \$30 \$40 \$45 \$55	BOL#: 27201
<input checked="" type="checkbox"/> Universal Waste	4' Jumbo ___ 4' Box ___ 8' Jumbo ___ 8' Box ___	\$65 ___ \$75 ___ \$85 ___ \$95 ___ \$105 ___	Shipment Date: 11/6/18
<input type="checkbox"/> TSCA Waste	HID Box ___ Battery Box ___ 6.5 Gallon Pail ___	\$115 ___ \$125 ___ \$135 ___ \$145 ___ \$155 ___	
<input type="checkbox"/> Special Waste	14-G PD ___ 30-G PD ___ 55-G PD ___ CY Bx ___	Labor Charges: \$ ___	Emergency Contact (877) 331-2149 Extension 4
Generator Of Waste:	95-G PD ___ 55-G SD ___ 85-G SD ___ GL Box ___	Off Spec. Charge: \$ ___	
Name:	Bill To: <u>TKS Inc</u>	Name: <u>TKS Industries</u>	
Address:	Address: <u>747 Sheridan Blvd.</u>	Address: <u>747 Sheridan Blvd.</u>	
City, State, Zip:	City, State, Zip: <u>Lakewood Co. 80214</u>	City, State, Zip: <u>Lakewood Co. 80214</u>	
Contact:	Contact: <u>Jeff Knight</u>	Contact: <u>Jeff Knight</u>	
Phone:	Phone: <u>720-462-4410</u>	Phone: <u>720-462-4410</u>	
Fax:	Fax:	Fax:	
PO#	PO#	PO#	
Job#	Job#	Job#	

WASTE BROKERAGE FACILITY:	EPA ID#: COR000231449
<input checked="" type="checkbox"/> R8E, LLC	Destination Facility for Universal Waste
4810 Newport Street	Large Quantity Handler of Universal Waste
Commerce City Colorado 80033-2244	Hazardous Waste Transporter/Transfer Facility
(p) 303-424-4887 (f) 303-424-9193	Used Oil Transporter/Transfer Facility
Email: Mike@R8Enviro.com	US DOT #: 050108 550 051Q HMP-20746
www.R8Enviro.com	US DOT #1781660 CO TSCA - EPA Approved PCB Handler

Container	Waste Common Name	DOT Description	Total Quantity	Unit / Wt. Volume
2 CF	4' & UNDER FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
	5' & OVER FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))	12	ea
	UTUBE FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
	CIRCULAR FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
1 CF	COMPACT FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))	49	ea
	HID MERCURY/HALIDE/SODIUM LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))	21	ea
	SHIELD/COATED/GROOVED LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
	INCANDESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))	36	ea
	UV/ARC/IGNITRON LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
	BROKEN LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
	CRUSHED FLUORESCENT LAMP/S RECYCLING (processed)	Non-DOT Regulated (per 49 CFR 173.164(e))		
	PCB WASTE RECYCLE/INCINERATION/MICROENCAP	RQ, UN3432, Polychlorinated biphenyls, Solid, 9, PGIII, ERG#171		
	NON-PCB BALLAST RECYCLE/MICROENCAPSULATION	Non-RCRA / Non-DOT Regulated Waste		
	ESCRAP RECYCLING	Non-DOT Regulated	110	P
	MERCURY DEVICE RECYCLING	UN3506, Mercury Contained in Manufactured Articles, 8 (6.1), PGIII, ERG#172		
	LEAD ACID BATTERY RECYCLING	UN2794, Batteries, Wet Filled w/ Acid, 8, PGIII, ERG#154		
	ALKALINE BATTERY RECYCLING	Batteries, Dry, sealed, n.o.s. Specail Provision 130		
	NICKEL (Ni-Cad) BATTERY RECYCLING	Batteries, Dry, sealed, n.o.s. Specail Provision 130		
	LITHIUM METAL BATTERY RECYCLING - DOT 173.185(d)	UN3090, Lithium Batteries, 9, PGII, ERG#138		
	LITHIUM Ion BATTERY RECYCLING - DOT 173.185(d)	UN3480, Lithium Batteries, 9, PGII, ERG#138		
	WASTE OIL RECYCLING	Special Waste Liquid	1	GAZ
	WASTE GLYCOL RECYCLING	Special Waste Liquid		
	WASTE AEROSOLS	UN1950, Aerosols, Flammable, 2.1, ERG#126		
71 GALLON	WASTE LATEX PAINT	Special Waste Liquid	71	GAZ
	LOW RADIATION CONTAINING SMOKE DETECTORS	Special Waste Solid, Nuclear Regulatory Law 10 CFR 32.37		
	FIRE EXTINGUISHER(S)	Special Waste Solid		
	METALS RECYCLING	Special Waste Solid		
	MISCELLANEOUS RECYCLING <u>3 MICROWAVES</u>			
	MISCELLANEOUS RECYCLING <u>6 Large Fridges</u>		6	ea

Generator Certification: This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Unpaid invoices will be assigned to a licensed Collection Agency and subject to Collection Agency Fee's, Attorney's Fee's, Court Costs and Interest.

Signature: <u>[Signature]</u>	Title: <u>Operator</u>	Print Name: <u>Jesus Casado</u>	Date: <u>11-6-18</u>
Transporter 1 Name: <u>Jesus Casado</u>	Transporter 2 Name: _____	Phone Number: <u>720-245-1685</u>	Phone Number: _____
Signature: <u>[Signature]</u>	Date: <u>11-6</u>	Signature: _____	Date: _____

Receiving, subject to the classification and regulations in effect on the date of issue of the Bill of Lading, the property described above is in apparent good order. Please retain a copy of this document as the "Certification of Recycling" for the items and quantities listed above.

Signature: [Signature] Date: 11/6/18

6. Weight Tickets

6a. Daily Load Trackers and Associated Truck Tickets

Date: 12-17-18

Project: AP-49

Prepared By: Mario Hermosillo

	Arrival Time		Departure Time		Load #	Truck #	Material		Description	Tons/Yards	Dump Site	Dump Site Ticket Number
	am / pm	am / pm	am / pm	am / pm			Code					
2-1	12:00	am / pm	12:30	am / pm	1	CH 23	T		Demo debris	18 yds	Dads	
	12:30	am / pm	12:45	am / pm	2	CH 376	T		Demo debris	18 yds	Dads	
	3:00	am / pm	3:15	am / pm	3	CH 23	T		Demo debris	18 yds	Dads	
2-18	7:30	am / pm	8:15	am / pm	4	CH 89	T		Demo debris	18 yds	Dads	
	8:15	am / pm	8:30	am / pm	5	CH 10	T		Demo debris	18 yds	Dads	
	8:30	am / pm	9:00	am / pm	6	CH 376	T		Demo debris	18 yds	Dads	
	10:00	am / pm	10:25	am / pm	7	CH 89	T		Demo debris	18 yds	Dads	
	10:25	am / pm	10:45	am / pm	8	CH 10	T		Demo debris	18 yds	Dads	
12-19	7:00	am / pm	7:45	am / pm	9	CH 575	T		Demo debris	18 yds	Dads	
	8:00	am / pm	8:15	am / pm	10	CH 22	T		Demo debris	18 yds	Dads	
	8:15	am / pm	8:40	am / pm	11	CH 376	T		Demo debris	18 yds	Dads	
	9:30	am / pm	9:55	am / pm	12	CH 22	T		Demo debris	18 yds	Dads	
	10:05	am / pm	10:25	am / pm	13	CH 575	T		Demo debris	18 yds	Dads	
	10:30	am / pm	10:45	am / pm	14	CH 376	T		Demo debris	18 yds	Dads	
	11:45	am / pm	12:00	am / pm	15	CH 22	T		Demo debris	18 yds	Dads	
	12:10	am / pm	12:30	am / pm	16	CH 575	T		Demo debris	18 yds	Dads	
	1:10	am / pm	1:35	am / pm	17	CH 376	T		Demo debris	18 yds	Dads	
	1:50	am / pm	2:15	am / pm	18	CH 22	T		Demo debris	18 yds	Dads	
	2:25	am / pm	2:40	am / pm	19	CH 575	T		Demo debris	18 yds	Dads	
12-20	7:40	am / pm	7:55	am / pm	20	CH 575	T		Demo debris	18 yds	Dads	
	8:00	am / pm	8:15	am / pm	21	CH 22	T		Demo debris	18 yds	Dads	
	8:15	am / pm	8:30	am / pm	22	CH 376	T		Demo debris	18 yds	Dads	
	9:35	am / pm	10:10	am / pm	23	CH 575	T		Demo debris	18 yds	Dads	
	10:10	am / pm	10:35	am / pm	24	CH 22	T		Demo debris	18 yds	Dads	
	10:35	am / pm	10:50	am / pm	25	CH 376	T		Demo debris	18 yds	Dads	

Legend:

Materials:

R = Recycle
T = Trash

Description:

Concrete, Asphalt, Asbestos, Lumber,
Construction Debris, Trash, Metals,

Date: 12-20-18

Project: AP 49

Prepared By: Mario Hermosillo

Dump Site Ticket

12/21
12/21
12/21

Arrival Time	Departure Time	Load #	Truck #	Material Code	Description	Tons/Yards	Dump Site	Number
11:55 am	12:25 pm	26	CH575	T	Demo debris	18 yds	DADS	
12:30 am	12:45 pm	27	CH 22	T	Demo debris	18 yds	DADS	
12:45 am	1:00 pm	28	CH 376	Steel	Rockies M		Rockies M	
2:15 am	2:30 pm	29	CH 22	T	Demo debris	18 yds	DADS	
2:30 am	2:50 pm	30	CH575	Ste	Demo debris	18 yds	DADS	
3:30 am	4:00 pm	31	CH376	Steel	Rockies M	18 yds	Rockies M	
7:30 am	7:45 pm	32	CH22	T	DZBRIS	18 YDS	DADS	
8:00 am	8:15 pm	33	CH376	T	DEBRIS	18 YDS	DADS	
9:00 am	9:15 pm	34	CH22	T	DZBRIS	18 YDS	DADS	
9:50 am	10:00 pm	35	CH 376	T	DZBRIS	18 YDS	DADS	
11:15 am	11:35 pm	36	CH22	T	DEBRIS	18 YDS	DADS	
11:40 am	11:45 pm	37	CH376	T	DEBRIS	18 YDS	DADS	
2:50 am	3:25 pm	38	CH 22	T	DEBRIS	18 YDS	DADS	
7:45 am	8:00 pm	39	S-19	T	DEBRIS	18 YDS	DADS	
8:02 am	8:15 pm	40	CH-376	T	DEBRIS	18 YDS	DADS	
9:29 am	9:40 pm	41	CH-376	T	PEBRIS	18 YDS	DADS	
9:48 am	10:02 pm	42	S-19	T	DEBRIS	18 YDS	DADS	
11:08 am	11:15 pm	43	S-19	T	DEBRIS	18 YDS	DADS	
11:25 am	11:35 pm	44	CH-376	T	DEBRIS	18 YDS	DADS	
12:30 am	12:50 pm	45	S-19	T	DZBRIS	18 YDS	DADS	
1:43 am	2:05 pm	46	CH-376	T	DZBRIS	18 YDS	DADS	
2:25 am	2:45 pm	47	S-19	T	DZBRIS	18 YDS	DADS	
am / pm	am / pm							
am / pm	am / pm							
am / pm	am / pm							

Legend:
Materials:
 R = Recycle
 T = Trash
Description:
 Concrete, Asphalt, Asbestos, Lumber,
 Construction Debris, Trash, Metals,

Date: 12/27/18

Project: AP 49 & AP 49A SITE

Prepared By: Mark Kelley

Dump Site Ticket

Arrival Time	Departure Time	Load #	Truck #	Material Code	Description	Tons/Yards	Dump Site	Number
7:40	8:05	1	S-89	R	Concrete	18 YDS	HENDERSON P&T	
7:50	8:22	2	01	R	CONCRETE	18 YDS	HENDERSON P&T	
8:23	8:35	3	CH376	R	CONCRETE	18 YDS	HENDERSON P&T	
9:30	9:43	4	S-89	R	CONCRETE	18 YDS	HENDERSON P&T	
9:45	9:57	5	01	R	CONCRETE	18 YDS	HENDERSON P&T	
10:01	10:17	6	CH-376	R	CONCRETE	18 YDS	HENDERSON P&T	
11:03	11:14	7	S-89	T	DIRTY ASPHALT	18 YDS	DADS	
11:18	11:30	8	01	T	DIRTY ASPHALT	18 YDS	DADS	
11:37	11:50	9	CH-376	T	DIRTY ASPHALT	18 YDS	DADS	
1:22	1:40	10	S-89	R	CONCRETE	18 YDS	HENDERSON P&T	
1:29	1:50	11	01	R	CONCRETE	18 YDS	HENDERSON P&T	
1:45	2:15	12	CH376	R	CONCRETE	18 YDS	HENDERSON P&T	
7:30	8:20	13	CH333	R	CONCRETE	18 yds	HENDERSON	
7:30	7:50	14	CH575	R	Concrete	18 yds	HENDERSON	
9:40	9:42	15	CH333	R	CONCRETE	18 YDS	HENDERSON P&T	
9:58	10:12	16	CH575	R	CONCRETE	18 YDS	HENDERSON P&T	
8:00	8:25	17	CH333	R	concrete	18 yds	HENDERSON	
8:30	8:55	18	CH575	R	Concrete	18 yds	HENDERSON	
9:20	9:50	19	CH333	R	Concrete	18 yds	HENDERSON	
9:50	10:20	20	CH575	R	concrete	18 yds	HENDERSON	
11:25	11:45	21	CH333	R	concrete	18 yds	HENDERSON	
11:50	12:20	22	CH575	T	Demo debris	18 yds	Dads	
1:05	1:30	23	CH333	T	Demo debris	18 yds	Dads	
1:30	2:00	24	CH575	T	Demo debris	18 yds	Dads	
3:30	3:55	25	CH333	T	Demo debris	18 yds	Dads	

Legend:
Materials:
 R = Recycle
 T = Trash
Description:
 Concrete, Asphalt, Asbestos, Lumber,
 Construction Debris, Trash, Metals,

CHACON'S

construction & transport



No. 8544

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: **J K S**

DISPATCHED BY:

DATE: **12/17/18**

JOB DESCRIPTION:

TRUCK # **CH 376**

I-70

TANDEM TRAILER

MATERIAL **DEMO**

	LOADS	UNLOADS
JOB#	1	AP - 49
LOAD AT	2	AP - 49
46+1	3	AP - 49
York ST		
UNLOAD AT		
D.A.D.S		
RATE \$		
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30 AM		
STOP TIME 4:30 PM		
TOTAL HOURS		
9 hrs		

OWNER OF TRUCK:

DRIVER'S NAME

AUTHORIZED SIGNATURE

M.R.C.A.

[Signature]

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACON'S

construction & transport



No. 8546

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: JKS

DISPATCHED BY:

DATE: 12-17-18

JOB DESCRIPTION:

TRUCK # S-23

TANDEM TRAILER

I-70

MATERIAL Demo

	LOADS	UNLOADS
JOB# AP-49	1111	
LOAD AT 46 th York St		
UNLOAD AT D.A.D.S Landfill		
RATE \$		
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30 ^{am}		
STOP TIME 4:30 ^{PM}		
TOTAL HOURS		
9 ✓		
OWNER OF TRUCK: Scooby		

DRIVER'S NAME

AUTHORIZED SIGNATURE

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACONS
construction & transport



No: 50870

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO: JK S industries

DISPATCHED BY:

DATE 12/18/18

JOB DESCRIPTION:

TRUCK # S-89

I-70

TANDEM TRAILER

MATERIAL DEMO

DEMO

LOADS

UNLOADS

JOB# 18603

7-48

8-50

LOAD AT
46th &

10:06

11-20

Yonk ST

UNLOAD AT

D.A.D.S
landfill

~~Delay~~
excavator
broken.
MHL

RATE \$

HOURLY TONMILE

START TIME 7:30 AM

STOP TIME 2:30

TOTAL HOURS

7 ✓

OWNER OF TRUCK: Scooby's Trucking

DRIVER'S NAME

AUTHORIZED SIGNATURE

Oriel Alvarez

Marco JH

Not due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACON'S
construction & transport



No. 50877

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO: JKS		
DISPATCHED BY: CHACON'S		
DATE 12/18/18	JOB DESCRIPTION:	
TRUCK # JD 10	1-70	
TANDEM <input type="checkbox"/> TRAILER <input checked="" type="checkbox"/>		
MATERIAL Demo		
	LOADS	UNLOADS
JOB#	1	AP-49
LOAD AT	2	AP-49
46TH	3	AP-
YORK		
UNLOAD AT	delay Broken	
DAD'S	Excavator.	
	M	
RATE \$		
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30		
STOP TIME 2:30		
TOTAL HOURS		
	OWNER OF TRUCK: JD BRIGHTON	
DRIVER'S NAME	AUTHORIZED SIGNATURE	
SVANDO T	M. H. H.	
Not due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.		

CHACONS

construction & transport



No. 8545

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: J R S		
DISPATCHED BY:		
DATE: 12/12/18	JOB DESCRIPTION:	
TRUCK # CH 376	I - 70	
TANDEM <input type="checkbox"/> TRAILER <input checked="" type="checkbox"/>		
MATERIAL	DEMO	
	LOADS	UNLOADS
JOB#	1	LONG TO DADJ AP 45
LOAD AT	8	
46th &		
Yonk ST		
UNLOAD AT		
D.A.D.S		
	Excavator delay	
	Broken	
	made trucks wait	
	MHE	
RATE \$		
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30am		
STOP TIME 2:30pm		
TOTAL HOURS		
Jha ✓	OWNER OF TRUCK:	
DRIVER'S NAME	AUTHORIZED SIGNATURE	
M.A.C.H.	Mario Herasillo	

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACON'S
construction & transport



No 50892

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO: J K S		
DISPATCHED BY:		
DATE 12/19/18	JOB DESCRIPTION:	
TRUCK # CH335	I-70	
TANDEM <input type="checkbox"/> TRAILER <input checked="" type="checkbox"/>		
MATERIAL DEMO	DEMOLITION	
	LOADS	UNLOADS
JOB#	1 LOAD	AP 49
LOAD AT 46th & Yonk ST	2 LOAD	AP 49
	3 LOAD	AP 49
	4 LOAD	AP 49
	UNLOAD AT D.A.D.S	
RATE \$		
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30am		
STOP TIME 5:30pm		
TOTAL HOURS		
10 ✓	OWNER OF TRUCK:	
DRIVER'S NAME	AUTHORIZED SIGNATURE	
M. A. CA	MARIO J	

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACONS
construction & transport



No 50883

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO: JKS		
DISPATCHED BY:		
DATE 12/19/18	JOB DESCRIPTION:	
TRUCK # CH575	I-70	
TANDEM <input type="checkbox"/> TRAILER <input checked="" type="checkbox"/>		
MATERIAL DEMO	DEMOLITION	
	LOADS	UNLOADS
JOB#	1 Load	AP 49
LOAD AT 46th &	1 load	AP 49
York St	1 load	AP 49
	1 load	AP 49
UNLOAD AT D.A.D.S		
RATE \$		
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30 AM		
STOP TIME 3:30		
TOTAL HOURS		
8 ✓	OWNER OF TRUCK: Chacon	
DRIVER'S NAME James	AUTHORIZED SIGNATURE (Mark Kelley)	
<small>Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.</small>		

CHACON'S

construction & transport



No. 10542

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: JKS		
DISPATCHED BY: CHACON'S		
DATE: 12/19/18	JOB DESCRIPTION:	
TRUCK # 5022	1-70	
TANDEM <input type="checkbox"/> TRAILER <input checked="" type="checkbox"/>		
MATERIAL DEMO		
	LOADS	UNLOADS
JOB# 18603	1	AP 99
LOAD AT	2	AP 49
48TH	3	AP 49
YORK ST	4	AP 49
UNLOAD AT		
DAD'S		
RATE \$		
HOURLY <input checked="" type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30		
STOP TIME 4:30		
TOTAL HOURS		
	OWNER OF TRUCK: JO BRIGHTON	
DRIVER'S NAME	AUTHORIZED SIGNATURE	
SWART	[Signature] (MARK KELLEY)	

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACON'S
construction & transport



No. 10543

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: JKS

DISPATCHED BY: CHACON'S

DATE: 12/20/18

JOB DESCRIPTION:

TRUCK # 5022

1-70

TANDEM TRAILER

MATERIAL DEMO

	LOADS	UNLOADS
JOB# 18603	1	AP-49
LOAD AT	2	AP-49
46 TH	3	AP-49
YORK	4	AP-49
UNLOAD AT		
DAD'S		
RATE \$		
HOURLY <input checked="" type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30		
STOP TIME 4:30 PM		
TOTAL HOURS		
9 hrs ✓		
OWNER OF TRUCK: JO BRIGATOR		

DRIVER'S NAME

AUTHORIZED SIGNATURE

OSWALDO T

Jaurabaus

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACONS

construction & transport



No. 50893

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO:

J K S

DISPATCHED BY:

DATE

12/20/18

JOB DESCRIPTION:

TRUCK #

CH 376

I - 70

TANDEM

TRAILER

MATERIAL

Demol

DEMOLITION

LOADS

UNLOADS

JOB#

1

LOAD

HP 49

LOAD AT

2

LOAD

HP 49

46th St

3

LOAD

HP 49

YORK St

4 Rocky Mountain

5125740

5 Rocky Mountain

512

UNLOAD AT

D.A.D.S

RATE \$

HOURLY

TONMILE

START TIME

7:30 AM

STOP TIME

5:30 PM

TOTAL HOURS

10 hrs

OWNER OF TRUCK:

DRIVER'S NAME

M. A. CH

AUTHORIZED SIGNATURE

Jauron

Not due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACON'S

construction & transport



Nº 50884

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO: <i>JKS</i>		
DISPATCHED BY:		
DATE <i>12/20/18</i>	JOB DESCRIPTION:	
TRUCK # <i>CH575</i>	<i>I-70</i>	
TANDEM <input type="checkbox"/> TRAILER <input checked="" type="checkbox"/>		
MATERIAL <i>Demo</i>		
	LOADS	UNLOADS
JOB#	<i>1 load</i>	<i>AP-49</i>
LOAD AT <i>46th</i> ↓ <i>York St.</i>	<i>1 load</i>	<i>AP-49</i>
	<i>1 load</i>	<i>AP-49</i>
	<i>1 load</i>	<i>AP-49</i>
UNLOAD AT <i>D.A.D.s</i>		
RATE \$		
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME <i>7:30</i>		
STOP TIME <i>4:30 pm</i>		
TOTAL HOURS		
<i>9 hrs</i>	OWNER OF TRUCK: <i>Chacon</i>	
DRIVER'S NAME <i>Manuel</i>	AUTHORIZED SIGNATURE <i>Juan Ruiz</i>	

Net due 30 days from date of this statement. Past due accounts bear interest at 2.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACONS

construction & transport



No. 8602

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: **J K S**

DISPATCHED BY:

DATE: **12/21/18** JOB DESCRIPTION:

TRUCK # **CH 376** **I-70**

TANDEM TRAILER

MATERIAL **DEMO** **DEMOLITION**

	LOADS		UNLOADS	
JOB#	1	DADS	A P	49
LOAD AT 46th & YonkST	2	'	AP	49
	3	9	AP	49
UNLOAD AT D.A.D.S				
RATE \$				
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>				
START TIME 7:30 AM				
STOP TIME 3:30				
TOTAL HOURS 8 hrs				
OWNER OF TRUCK:				

DRIVER'S NAME

AUTHORIZED SIGNATURE

M. M. ...

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHAACONS

construction & transport



No. 10545

2920 W. 73rd Ave.
Westminster, CO 8003
Fax 303-331-8259
PH 720-357-1448

BILL TO: JKS

DISPATCHED BY: CHAACONS

DATE: 12/21/18

JOB DESCRIPTION:

TRUCK # JD22

1-70

TANDEM TRAILER

MATERIAL DEMO

	LOADS	UNLOADS
JOB# 10603	1	AP-49
LOAD AT 46TH YORK	2	AP-49
	3	AP-49
	4	AP-49
UNLOAD AT PAD'S		
RATE \$		
HOURLY <input checked="" type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30		
STOP TIME 4:00		
TOTAL HOURS		
8.5		

OWNER OF TRUCK: JO BRIGGTON

DRIVER'S NAME

AUTHORIZED SIGNATURE

DEAN T

[Signature]

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACONS

construction & transport



No. 8105

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO:

JKS

DISPATCHED BY:

DATE:

12/26/18

JOB DESCRIPTION:

I-70

TRUCK #

CH376

TANDEM

TRAILER

MATERIAL

demo

DEMO I2T20W

	LOADS	UNLOADS
JOB#	1	AP-49
LOAD AT	2	" "
4/6th	3	" "
York	4	" "
UNLOAD AT		(7)
D.A.O.S		
RATE \$		
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME		
7:30 AM		
STOP TIME		
5:00		
TOTAL HOURS		
8.5 HRS		
OWNER OF TRUCK:		

DRIVER'S NAME

m.meh

AUTHORIZED SIGNATURE

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.



BILL TO: *LKS.*

DISPATCHED BY:

DATE: *12-26-18*

JOB DESCRIPTION:

TRUCK # *S-19*

TANDEM TRAILER

MATERIAL *Demo*

	LOADS	UNLOADS
JOB#	<i>46th Ave & York St</i>	<i>DAD'S LAND FILL</i>
LOAD AT	<i>7:30 Ap-49</i>	
<i>46th Ave.</i>	<i>9:40 Ap-49</i>	
<i>and</i>	<i>11:15 Ap-49</i>	
<i>York St.</i>	<i>12:45 Ap-49</i>	
<i>Denver Co.</i>	<i>2:50 Ap-49</i>	
UNLOAD AT		
<i>DAD'S LAND FILL</i>		
<i>Aurora Co.</i>		
RATE \$		
HOURLY <input checked="" type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME <i>7:30</i>		
STOP TIME <i>3:30</i>		
TOTAL HOURS		
<i>8 hrs</i>		

OWNER OF TRUCK: *Scoby's trucking*

DRIVER'S NAME

AUTHORIZED SIGNATURE

Uriel Alvarez

[Signature]

CHACON'S

construction & transport



No. 11670

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: Jks Industries

DISPATCHED BY:

DATE: 12-27-18

JOB DESCRIPTION:

TRUCK # S-89

C-70

TANDEM TRAILER

MATERIAL DEMO

	LOADS	UNLOADS
JOB# 18603	8:15	501426
LOAD AT	9:35	501450
70/york	11:10	AP 49
	1:22	
UNLOAD AT		(A)
Dad's Landfill		
henderson AT		
RATE \$		
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30		
STOP TIME 2:30		
TOTAL HOURS		
7		
OWNER OF TRUCK: Scooby's Trucking		

DRIVER'S NAME

AUTHORIZED SIGNATURE

Uriel Alvarez

(Signature)

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACON'S
construction & transport



No 43133

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO: JKS Industries Inc

DISPATCHED BY: Chacon Transports

DATE 12/27/18

JOB DESCRIPTION:

TRUCK # GK-01

Demo Concrete

TANDEM TRAILER

MATERIAL Concrete

Globeville

	LOADS	UNLOADS
JOB# 18603	8:15 * 8:46	- 501428
LOAD AT 1/6 And York	9:50 * 10:20	- 501454
	11:20 * 12:20	H- AP 49
	1:50 *	- 501525
UNLOAD AT Henderson pit 10925 E 120th		
RATE \$		
HOURLY <input checked="" type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30		
STOP TIME 3:00		
TOTAL HOURS		
7.5		

OWNER OF TRUCK: Benito

DRIVER'S NAME

AUTHORIZED SIGNATURE

Benito Castillo

[Signature]

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACON'S

construction & transport



No: 50888

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO: JKS

DISPATCHED BY:

DATE 12/28/18

JOB DESCRIPTION:

TRUCK # CH575

TANDEM TRAILER

1-70

MATERIAL Debris

	LOADS	UNLOADS
JOB#	1 load	
LOAD AT 46th York	1 load	
UNLOAD AT Henderson pit		
RATE \$		
HOURLY <input checked="" type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30		
STOP TIME 12:30		
TOTAL HOURS		
5		

OWNER OF TRUCK:

DRIVER'S NAME
Mamad A

AUTHORIZED SIGNATURE
[Signature]

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACON'S

construction & transport



No. 8093

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: Jks Const		
DISPATCHED BY: Chacon's Const		
DATE: 12-28-18	JOB DESCRIPTION:	
TRUCK # CH 333		
TANDEM <input type="checkbox"/> TRAILER <input checked="" type="checkbox"/>		
MATERIAL Demo		
	LOADS	UNLOADS
JOB# 18603	loads #	
LOAD AT 46 th & York	8:45	501608
	10:05	501642
	1:30	
UNLOAD AT Henderson pit Dads pit		(X)
RATE \$		
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 1:30		
STOP TIME 3:30		
TOTAL HOURS		
8 hrs	OWNER OF TRUCK:	

DRIVER'S NAME	AUTHORIZED SIGNATURE
Justin Castelle	Juan Baez
<small>Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.</small>	

CHACONS

construction & transport



No. 8094

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: *JKS Const*

DISPATCHED BY: *Chacons Const*

DATE: *1-2-19* JOB DESCRIPTION:

TRUCK # *CH333*

TANDEM TRAILER

MATERIAL *Dimo*

	LOADS	UNLOADS
JOB#	<i>Loads #</i>	
LOAD AT	<i>7:50</i>	<i>501799</i>
<i>York st</i>	<i>10:00</i>	<i>501816</i>
<i>&</i>	<i>12:00</i>	<i>501837</i>
<i>R 70</i>	<i>1:30</i>	<i>deds Ap-49</i>
UNLOAD AT	<i>deds</i>	<i>Ap-49</i>
<i>Henderson pot</i>		
<i>Dads pot</i>		
		<i>10</i>
RATE \$		
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME <i>7:45</i>		
STOP TIME <i>5:00 PM</i>		
TOTAL HOURS		
<i>9.15 hrs</i>	OWNER OF TRUCK:	

DRIVER'S NAME	AUTHORIZED SIGNATURE
<i>Justin Costello</i>	<i>[Signature]</i>

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACON'S

construction & transport



No 50889

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO: JK5

DISPATCHED BY:

DATE 01/02/19

JOB DESCRIPTION:

TRUCK # CH 575

TANDEM TRAILER

1-70

MATERIAL Concrete

	LOADS	UNLOADS
JOB#	1 load	
LOAD AT	1 load	
46th & York	1 load	
	1 load	
UNLOAD AT		
Henderson		
RATE \$		
HOURLY <input checked="" type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30		
STOP TIME 5:30		
TOTAL HOURS		
10 hrs		
OWNER OF TRUCK:		

DRIVER'S NAME

AUTHORIZED SIGNATURE

Manuel

Jaime Ruiz

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

6b. Recycling Weight Tickets

Customer Usage

Date	Number	Material	Quantity	Net	\$ / Unit	Material \$	Delivery \$	Misc \$	Tax \$	Total \$
JKSINDUSTR4297 - JKS Industries, LLC										
BRIGHTON - BRIGHTON BLVD AND I70										
12/27/2018	501426	END SIDE CLEAN C...	1.00	0.00	\$80.00 / EA	\$80.00	\$0.00	\$0.00	\$0.00	\$80.00
12/27/2018	501450	END SIDE CLEAN C...	1.00	0.00	\$80.00 / EA	\$80.00	\$0.00	\$0.00	\$0.00	\$80.00
12/27/2018	501516	END SIDE CLEAN C...	1.00	0.00	\$80.00 / EA	\$80.00	\$0.00	\$0.00	\$0.00	\$80.00
BRIGHTON - BRIGHTON BLVD AND I70 Totals				0.00		\$240.00	\$0.00	\$0.00	\$0.00	\$240.00
I70 - I70 AND YORK										
12/27/2018	501428	END SIDE CLEAN C...	1.00	0.00	\$80.00 / EA	\$80.00	\$0.00	\$0.00	\$0.00	\$80.00
12/27/2018	501430	END SIDE CLEAN C...	1.00	0.00	\$80.00 / EA	\$80.00	\$0.00	\$0.00	\$0.00	\$80.00
12/27/2018	501454	END SIDE CLEAN C...	1.00	0.00	\$80.00 / EA	\$80.00	\$0.00	\$0.00	\$0.00	\$80.00
12/27/2018	501460	END SIDE CLEAN C...	1.00	0.00	\$80.00 / EA	\$80.00	\$0.00	\$0.00	\$0.00	\$80.00
12/27/2018	501525	END SIDE CLEAN C...	1.00	0.00	\$80.00 / EA	\$80.00	\$0.00	\$0.00	\$0.00	\$80.00
12/27/2018	501532	END SIDE CLEAN C...	1.00	0.00	\$80.00 / EA	\$80.00	\$0.00	\$0.00	\$0.00	\$80.00
I70 - I70 AND YORK Totals				0.00		\$480.00	\$0.00	\$0.00	\$0.00	\$480.00
JKSINDUSTR4297 - JKS Industrles, LLC Totals				0.00		\$720.00	\$0.00	\$0.00	\$0.00	\$720.00
Tickets: 9										
Report Totals				0.00		\$720.00	\$0.00	\$0.00	\$0.00	\$720.00
Total Tickets: 9										

Customer Usage

Date	Number	Material	Quantity	Net	\$ / Unit	Material \$	Delivery \$	Misc \$	Tax \$	Total \$
JKSINDUSTR4297 - JKS Industries, LLC										
I70 - I70 AND YORK										
12/28/2018	501608	END SIDE CLEAN C...	1.00	0.00	\$80.00 / EA	\$80.00	\$0.00	\$0.00	\$0.00	\$80.00
12/28/2018	501617	END SIDE CLEAN C...	1.00	0.00	\$80.00 / EA	\$80.00	\$0.00	\$0.00	\$0.00	\$80.00
12/28/2018	501642	END SIDE CLEAN C...	1.00	0.00	\$80.00 / EA	\$80.00	\$0.00	\$0.00	\$0.00	\$80.00
12/28/2018	501647	END SIDE CLEAN C...	1.00	0.00	\$80.00 / EA	\$80.00	\$0.00	\$0.00	\$0.00	\$80.00
I70 - I70 AND YORK Totals				0.00		\$320.00	\$0.00	\$0.00	\$0.00	\$320.00
JKSINDUSTR4297 - JKS Industries, LLC Totals				0.00		\$320.00	\$0.00	\$0.00	\$0.00	\$320.00
Tickets: 4										
Report Totals				0.00		\$320.00	\$0.00	\$0.00	\$0.00	\$320.00
Total Tickets: 4										

Customer Usage

Date	Number	Material	Quantity	Net	\$ / Unit	Material \$	Delivery \$	Misc \$	Tax \$	Total \$
JKSINDUSTR4297 - JKS Industries, LLC										
I70 - I70 AND YORK										
1/2/2019	501799	END SIDE CLEAN C...	1.00	0.00	\$80.00 / EA	\$80.00	\$0.00	\$0.00	\$0.00	\$80.00
1/2/2019	501802	END SIDE CLEAN C...	1.00	0.00	\$80.00 / EA	\$80.00	\$0.00	\$0.00	\$0.00	\$80.00
1/2/2019	501816	END SIDE CLEAN C...	1.00	0.00	\$80.00 / EA	\$80.00	\$0.00	\$0.00	\$0.00	\$80.00
1/2/2019	501827	END SIDE CLEAN C...	1.00	0.00	\$80.00 / EA	\$80.00	\$0.00	\$0.00	\$0.00	\$80.00
1/2/2019	501837	END SIDE CLEAN C...	1.00	0.00	\$80.00 / EA	\$80.00	\$0.00	\$0.00	\$0.00	\$80.00
I70 - I70 AND YORK Totals				0.00		\$400.00	\$0.00	\$0.00	\$0.00	\$400.00
JKSINDUSTR4297 - JKS Industries, LLC Totals				0.00		\$400.00	\$0.00	\$0.00	\$0.00	\$400.00
Tickets: 5										
Report Totals				0.00		\$400.00	\$0.00	\$0.00	\$0.00	\$400.00
Total Tickets: 5										

Rocky Mountain Recycling, Inc.

6510 Brighton Blvd.

Phone 303 288-6868

Fax 303 288-0250

Colorado Certified Scale #2

80176

JKS INDUSTRIES @ PILOT

4640 STEELE ST

DENVER, CO 80216

Ticket# 5125806

Total \$ \$231.00

Total Lbs 3,240

December 20, 2018

Weighmaster: JMADERA

Driver:

Tag No:

Notes: YCI SHRED

Driver: Outside Carriers,

Truck#:

Description: CHACON

Container In:

Container Out:



Commercial Ticket - Number: 5125806

<u>Commodity</u>	<u>Gross</u>	<u>Tare</u>	<u>Tare2</u>	<u>Deduct</u>	<u>Net UM</u>
Weight of Trash	600				600 P
Iron #2 Lite Unprepared	37,680	34,440	600	OM	2,640 N
	38,280	34,440	600		3,240

ACCEPTED BY _____

I DECLARE THAT I AM THE SOLE AND RIGHTFUL OWNER OF THIS MATERIAL, AND/OR HAVE THE AUTHORITY TO SELL IT.

Rocky Mountain Recycling, Inc.

6510 Brighton Blvd.

Phone 303 288-6868

Fax 303 288-0250

Colorado Certified Scale #2

80176

JKS INDUSTRIES @ PILOT

4640 STEELE ST

DENVER, CO 80216

Ticket# 5125740

Total \$ \$334.25

Total Lbs 4.420

December 20, 2018

Weighmaster: JMADERA

Driver:

Tag No:

Notes: YCI SHRED

Driver: [unclear] Carriers.

Truck#:

Description: CRACONS

Container In:

Container Out:



Commercial Ticket - Number: 5125740

<u>Commodity</u>	<u>Gross</u>	<u>Tare</u>	<u>Tare2</u>	<u>Deduct</u>	<u>Net</u> <u>UM</u>
Weight of Dirt	600				600 P
Iron #2 Lite Unprepared	38,880	34,460	600	OM	3,820 N
	39,480	34,460	600		4,420

ACCEPTED BY _____

I DECLARE THAT I AM THE SOLE AND RIGHTFUL OWNER OF THIS MATERIAL, AND/OR HAVE THE AUTHORITY TO SELL IT.

6c. Waste Weight Tickets



Denver Arapahoe Disposal
 3500 S Gun Club , PO Box 460397
 Aurora, CO, 80018
 Ph: (720) 876-2620

2469956

Original
 Ticket# 3280996

Customer Name JKSINDUSTRIESLLC JKS Industri Carrier JKS INDUSTRIES JKS INDUSTRIES
 Ticket Date 12/17/2018 Vehicle# 1 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0014925
 State Waste Code Gen EPA ID
 Manifest Grid
 Destination
 PO
 Profile ()
 Generator

Time	Scale	Operator	Inbound	Gross	2 lb*
In 12/17/2018 07:07:27	MANUAL WT	aramirez		Tare	1 lb*
Out 12/17/2018 07:07:27		aramirez		Net	1 lb
		* Manual Weight		Tons	

Comments 13 loads for central 70 project = 234 cyds total for loads 12/17/18



PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 CDY-CONST DEBRIS - 100		234.00	Yards				

Total Fees
 Total Ticket

Driver Signature



Date: 12-17-18

Ticket#: AP 49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS 25 YDS HIGHSIDES

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: M. A. E. B.

Date: 12-17-18

Ticket#: AP 49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS 25 YDS HIGHSIDES

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: [Signature]

Date: 12-17-18

Ticket#: AP 49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS 25 YDS HIGHSIDES

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: M. Bell



2469984

Denver Arapahoe Disposal
3500 S Gun Club , PO Box 460397
Aurora, CO, 80018
Ph: (720) 876-2620

Original
Ticket# 3281894

Customer Name	JKSINDUSTRIESLLC	JKS Industri	Carrier	JKS INDUSTRIES	JKS INDUSTRIES
Ticket Date	12/18/2018		Vehicle#	1	Volume
Payment Type	Credit Account		Container		
Manual Ticket#			Driver		
Hauling Ticket#			Check#		
Route			Billing #	0014925	
State Waste Code			Gen EPA ID		
Manifest			Grid		
Destination					
PO					
Profile	()				
Generator					

	Time	Scale	Operator	Inbound	Gross	2 lb*
In	12/18/2018 06:48:55	MANUAL WT	aramirez		Tare	1 lb*
Out	12/18/2018 06:48:55		aramirez		Net	1 lb
			* Manual Weight		Tons	

Comments 14 LOADS IN DROP BOX ON GREEN TICKETS = 252 YDS TOTAL FOR CENTRAL 70 PROJECT 12/18/18

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

Product	LD%	Qty	UDM	Rate	Fee	Amount	Origin
1 CDY-CONST DEBRIS - 100		252.00	Yards				

Total Fees
Total Ticket

402WM-N
Driver's Signature



Date: 12-18-18

Ticket#: AP49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: Unel A. Scooby's

Date: 12/18/2018

Ticket#: AP49 LOAD 5

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: OSVAIDO T

Date: 12-18-2018

Ticket#: AP49 LOAD[#] 6

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: C M.A. CH

Date: 12-18-18

Ticket#: AP49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: Uziel M. Scoobx

Date: 12/18/2018

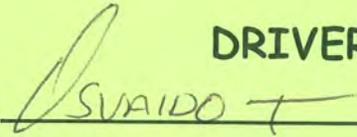
Ticket#: AP49 ~~LOAD~~ #8

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature:  DRIVER



Total Fees
Total Ticket 2469987

Driver's Signature

Denver Arapahoe Disposal
3500 S Gun Club, PO Box 460397
Aurora, CO, 80018
Ph: (720) 876-2620

Original
Ticket# 3282757

Customer Name JKSINDUSTRIESLLC JKS Industri Carrier JKS INDUSTRIES JKS INDUSTRIES
Ticket Date 12/19/2018 Vehicle# 1 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0014925
State Waste Code Gen EPA ID
Manifest Grid
Destination
PO
Profile ()
Generator

Time	Scale	Operator	Inbound	Gross	2 lb*
In 12/19/2018 08:44:17	MANUAL WT	aramirez		Tare	1 lb*
Out 12/19/2018 08:44:17		aramirez		Net	1 lb
		* Manual Weight		Tons	

Comments 12 loads central 70 project 12/19/18 = 216 yrds total

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 CDY-CONST DEBRIS - 100		216.00	Yards				

Total Fees
Total Ticket

402WM-N
Driver's Signature



Date: 12.19.2018

Ticket#: AP-49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGH SIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

12 loads x 18 yds = 216
total
yards

Signature: _____ DRIVER
nmv

Date: 12/19/2018

Ticket#: AP-49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGH SIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature: _____ DRIVER

Date: 12-19-18

Ticket#: AP-49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: PSUAIDOT

Date: 12-19-18

Ticket#: AP49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: PSUAIDOT

Date: 12-19-2018 Ticket#: AP49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: _____

Date: 12-19-2018 Ticket#: AP49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: M. Bell

Date: 12-19-2018

Ticket#: AP-49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: _____

M.A.C

Date: 12-19-18

Ticket#: AP-49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: _____

M.A.C

Date: 12-19-2018

Ticket#: AP 49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: _____

Date: 12-19-2018 Ticket#: AP-49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: _____

Date: 12.19.2018

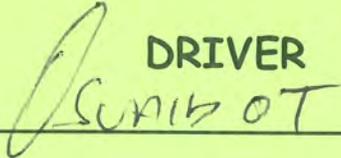
Ticket#: AP49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature:  DRIVER

Date: 12-19-18

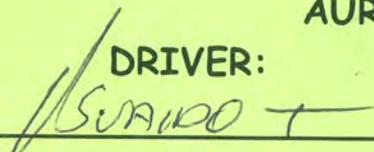
Ticket#: AP-49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature:  DRIVER:



2469993

Denver Arapahoe Disposal
3500 S Gun Club , PO Box 460397
Aurora, CO, 80018
Ph: (720) 876-2620

Original
Ticket# 3283588

Customer Name	JKSINDUSTRIESLLC	JKS Industri	Carrier	JKS INDUSTRIES	JKS INDUSTRIES
Ticket Date	12/20/2018		Vehicle#	1	Volume
Payment Type	Credit Account		Container		
Manual Ticket#			Driver		
Hauling Ticket#			Check#		
Route			Billing #	0014925	
State Waste Code			Gen EPA ID		
Manifest			Grid		
Destination					
PO					
Profile	()				
Generator					

	Time	Scale	Operator	Inbound	Gross	2 lb*
In	12/20/2018 09:11:35	MANUAL WT	aramirez		Tare	1 lb*
Out	12/20/2018 09:11:35		aramirez		Net	1 lb
			* Manual Weight		Tone	

Comments: 10 loads central 70 project = 180yds total 12/20/18



PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

Product	LDX	Qty	UDM	Rate	Fee	Amount	Origin
1	CDY-CONST DEBRIS - 100	180.00	Yards				

Total Fees
Total Ticket

Driver Signature



Date: 12-20-18

Ticket#: AP 49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: M.A. C.

Date: 12-20-18

Ticket#: AP 49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: _____

Date: 12-20-18

Ticket#: AP 49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓

25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature: RAIDOT DRIVER: _____

Date: 12-20-18

Ticket#: AP-49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓

25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: _____

Date: 12-20-18

Ticket#: Ap-219-A

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: _____

10 loads x 18 = 180 yds total

Date: 12-20-18

Ticket#: Ap-219-A

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: Suabot

Date: 12-20-18

Ticket#: AP-49-A

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: M.A.G.H

Date: 12-20-18

Ticket#: AP-49A

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: _____

Date: 12-~~18~~-18

Ticket#: AP-49-A

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓

25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: _____

ASUA DOT



2470001

Denver Arapahoe Disposal
3500 S Gun Club, PO Box 460397
Aurora, CO, 80018
Ph: (720) 876-2620

Original
Ticket# 3284764

Customer Name	JKSINDUSTRIESLLC	JKS Industri	Carrier	JKS INDUSTRIES	JKS INDUSTRIES
Ticket Date	12/24/2018		Vehicle#	1	Volume
Payment Type	Credit Account		Container		
Manual Ticket#			Driver		
Hauling Ticket#			Check#		
Route			Billing #	0014925	
State Waste Code			Gen EPA ID		
Manifest			Grid		
Destination					
PO					
Profile	()				
Generator					

	Time	Scale	Operator	Inbound	Gross	2 lb*
In	12/24/2018 08:43:23	MANUAL WT	aramirez		Tare	1 lb*
Out	12/24/2018 08:43:23		aramirez		Net	1 lb
			* Manual Weight		Tons	

Comments LOADS FROM 12/21/18 CENTRAL 70 PROJECT

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	CDY-CONST DEBRIS - 100	342.00	Yards				

Total Fees
Total Ticket



Date: 12-21-18

Ticket#: AP 49

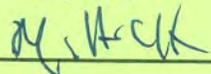
ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS 25 YDS HIGHSIDES

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: 

Date: 12-21-18

Ticket#: AP 49

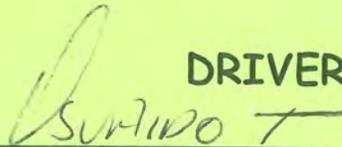
ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS 25 YDS HIGHSIDES

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: 

Date: 12-20-18

Ticket#: 49 AP

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS 25 YDS HIGHSIDES

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: M.ACH

Date: 12-21-18

Ticket#: AP 49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS 25 YDS HIGHSIDES

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: SWANOT

Date: 12/21/18

Ticket#: AP49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGH SIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: M. MacA

Date: 12/21/18

Ticket#: AP49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGH SIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: SWAIDST

Date: 12-21-18

Ticket#: AP49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:
Signature: SWAIPO T



2470008

Denver Arapahoe Disposal
3500 S Gun Club , PO Box 460397
Aurora, CO, 80018
Ph: (720) 876-2620

Original
Ticket# 3285330

Customer Name	JKSINDUSTRIESLLC JKS Industri	Carrier	JKS INDUSTRIES	JKS INDUSTRIES
Ticket Date	12/26/2018	Vehicle#	1	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0014925	
State Waste Code		Gen EPA ID		
Manifest		Grid		
Destination				
PQ				
Profile	()			
Generator				

	Time	Scale	Operator	Inbound	Gross	2 lb*
In	12/26/2018 08:15:51	MANUAL WT	aramirez		Tare	1 lb*
Out	12/26/2018 08:15:51		aramirez		Net	1 lb
			* Manual Weight		Tons	
Comments	15 loads from central 70 project 12/26/18 = 270yds total					

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	CDY-CONST DEBRIS - 100	270.00	Yards				

Total Fees
Total Ticket

402WM-N

Driver's Signature



Date: 12/26/18

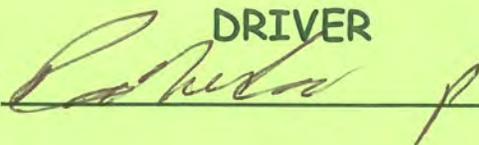
Ticket#: AP-49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature:  DRIVER

Date: 12/26/18

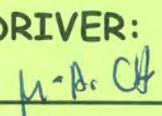
Ticket#: AP-49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature:  DRIVER:

Date: 12/26/18

Ticket#: AP 49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGH SIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: M.A. C/O

Date: 12/26/18

Ticket#: AP-49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGH SIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: [Signature]

Date: 12/26/18

Ticket#: AP-49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: *[Handwritten Signature]*

Date: 12-26-18

Ticket#: AP49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: *[Handwritten Signature]*

Date: 12/26/18

Ticket#: AP 49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGH SIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: 

Date: 12/26/18

Ticket#: AP 49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGH SIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: 

Date: 12-26-18

Ticket#: AP49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X

25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: *Wm Adams*

Driver's Signature



2531608

Denver Arapahoe Disposal
3500 S Gun Club , PO Box 460397
Aurora, CO, 80018
Ph: (720) 876-2620

Reprint
Ticket# 3286017

Customer Name	JKSINDUSTRIESLLC	JKS Industri	Carrier	JKS INDUSTRIES	JKS INDUSTRIES
Ticket Date	12/27/2018		Vehicle#	1	Volume
Payment Type	Credit Account		Container		
Manual Ticket#			Driver		
Hauling Ticket#			Check#		
Route			Billing #	0014925	
State Waste Code			Gen EPA ID		
Manifest			Grid		
Destination					
PO					
Profile	()				
Generator					

	Time	Scale	Operator	Inbound	Gross	
In	12/27/2018 08:47:21	MANUAL WT	aramirez		Tare	2 lb*
Out	12/27/2018 08:47:21		aramirez		Net	1 lb*
			* Manual Weight		Tons	1 lb
Comments	13 loads from 12/27/18 = 234yds total					

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	CDY-CONST DEBRIS - 100	234.00	Yards				

Total Fees
Total Ticket



TAYLOR COMMUNICATIONS

CC761246-AD (03-18)

Date: 12-27-18

Ticket#: AP49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature: *[Signature]* DRIVER Scoby's Trucking

Date: 12-27-18

Ticket#: AP49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature: *[Signature]* DRIVER Benito Castillo

Date: 12-27-18

Ticket#: AP 49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS X

25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: M.A.C.H



2470021

Denver Arapahoe Disposal
3500 S Gun Club, PO Box 460397
Aurora, CO, 80018
Ph: (720) 876-2620

Original
Ticket# 3287844

Customer Name JKSINDUSTRIESLLC JKS Industri Carrier JKS INDUSTRIES JKS INDUSTRIES
Ticket Date 01/02/2019 Vehicle# 1 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0014925
State Waste Code Gen EPA ID
Manifest Grid
Destination
PO
Profile ()
Generator

Time	Scale	Operator	Inbound	Gross	2 lb*
In 01/02/2019 06:46:16	MANUAL WT	aramirez		Tare	1 lb*
Out 01/02/2019 06:46:16		aramirez		Net	1 lb
		* Manual Weight		Tons	

Comments 5 loads central 70 project = 85yds total for loads from 1/2/19

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 CDY-CONST DEBRIS - 100		85.00	Yards				

Total Fees
Total Ticket

402WM-N

Driver's Signature



Date: 1-3-19

Ticket#: AP 49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature: _____

DRIVER

5 loads x 17 = 85 yds TOTAL

Date: 1-3-19

Ticket#: AP - 49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature: Justin Cantello

DRIVER

Date: 1-3-19

Ticket#: AP 49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: _____

Date: 1-3-19

Ticket#: AP 49

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: Justin Castillo

7. Dump Diversion Summary

JKS Industries
AP-49: 2331 E 46th Ave

Descriptions		Dump Diversion / Recycle %								
Phase	Activity	Unit of Measure	# of Yards per Container	# of Containers	Total Number of Yards	Pounds Per Yard **	Total Lbs	Recycled Yes/No	Pounds of Recycle or Dump Diversion	% of Recycle or Dump Diversion
Abatement	Trash Rolloff	Cubic Yard	-	-	-	450.00	-			
Abatement	Asbestos Containers	Cubic Yard	-	-	-	500.00	-			
					-		-			
Demolition	Demolition Construction Debris	Cubic Yard	18	47	846.00	1,400.00	1,184,400			
Site Demo	Demolition Construction Debris	Cubic Yard	18	8	144.00	4,050.00	583,200			
Site Demo	Concrete Debris	Cubic Yard	18	18	324.00	4,050.00	1,312,200	x	1,312,200	42.50%
Demolition	Metal Debris	Lbs	-	-	-	-	7,660	x	7,660	0.25%
							-	x	-	0.00%
				73	1,314.00		3,087,460		1,319,860	42.75%

STUDY NOTES

- 1 The source material used for the Volume to Weight conversions came from Waste Management web site.
- 2 Conversions ratio's have been modified based on estimated compaction.

8. Daily Logs

